



June 30, 2015

FEDEX

RECEIVED - FPSC  
15 JUL - 1 AM 9:36  
COMMISSION  
CLERK

Carlotta S. Stauffer, Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

Check received with filing and forwarded  
to Fiscal for deposit. Fiscal to forward  
deposit information to Records.

Initials of person who forwarded check:

RE: Docket No. 150071-SU; Application for an increase in wastewater rates in Monroe County  
by K W Resort Utilities Corporation  
Our File No. 30057.221

Dear Ms. Stauffer:

Enclosed are the following for filing in the above-referenced docket:

- Sixteen (16) copies of the Application for Increase in Rates (included in Volume I)
- Sixteen (16) copies of the Minimum Filing Requirements (Volume I)  
*Three (3) CTC 7/1*
- ~~Two (2)~~ copies of the Billing Analysis (Volume II)
- Two (2) copies of the Additional Engineering Information (Volume III), which also includes an explanation of the pro forma projects and support documentation.
- Sixteen (16) copies of the Affidavit required by Rule 25-22.0407, Florida Administrative Code (attached to the Application)
- One (1) detailed map *+ One (1) Map*
- The original and three (3) copies of the proposed Final Rate Tariff Sheets (Exhibit "A" to the Application)

COM \_\_\_\_\_  
 (AFD) 9 VI :  
 APA \_\_\_\_\_  
 ECO 2 VI / 2 VII  
 ENG 2 VI / 1 VII  
 GCL 2 VI  
 IDM \_\_\_\_\_  
 TEL \_\_\_\_\_  
 CLK \_\_\_\_\_

*2 maps*

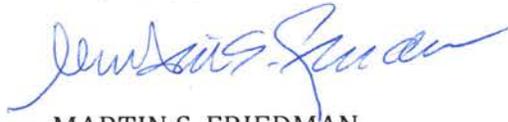
Carlotta S. Stauffer, Commission Clerk  
Florida Public Service Commission  
June 30, 2015  
Page 2

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- Sixteen (16) copies of the Reconciliation of Accounts (Exhibit "B" to the Application)
- Our firm's check in the amount of \$4,500.00 representing the appropriate filing fee

Should you have any questions regarding this filing, please do not hesitate to give me a call.

Very truly yours,



MARTIN S. FRIEDMAN  
For the Firm

MSF/  
Enclosures

cc: Chris Johnson (via email-w/o enclosures)  
Bart Smith, Esquire (via email-w/o enclosures)  
Andrew Maurey (via email-w/o enclosures)  
Erik Sayler, Esquire (via email-w/o enclosures)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase  
in wastewater rates in Monroe  
County by K W Resort Utilities Corp.

Docket No. 150071-SU

APPLICATION FOR INCREASE IN RATES

Applicant, K W UTILITIES CORP. (the "Utility"), by and through its undersigned attorneys and pursuant to Section 367.081, Florida Statutes, and Chapter 25-30, Florida Administrative Code, files this Application for an increase in its wastewater rates in Monroe County, Florida.

Preliminary Matters

1. The following information is provided pursuant to Rule 25-30.436, Florida Administrative Code:

(a) (i) The name of the Utility and its mailing address is:

K W Resort Utilities Corp.  
6630 Front Street  
Key West, FL 33040

(ii) The names and address of the persons authorized to receive notices and communications in respect to this application are:

Martin S. Friedman, Esquire  
Bridget M. Friedman, Esquire  
Friedman & Friedman, P.A.  
766 N. Sun Drive, Suite 4030  
Lake Mary, FL 32746  
Telephone: (407) 830-6331/Fax: (407) 878-2178  
Email: [mfriedman@ff-attorneys.com](mailto:mfriedman@ff-attorneys.com)  
[bfriedman@ff-attorneys.com](mailto:bfriedman@ff-attorneys.com)

(b) The Utility is a Florida corporation incorporated in Florida on December 18, 1984. The names and addresses of the persons owning more than 5% of the Utility's stock are:

WS Utility, Inc.	100%
1212 Von Phister Street	
Key West, FL 33040	

(c) The Utility's last rate proceeding before the Commission, which utilized a December 31, 2006 test year, was in Docket No. 070293-SU, which culminated in Order No. PSC-09-0057-FOF-SU, issued January 27, 2009.

(d) The address where the Application is available for customer inspection during the time the rate application is pending is:

K W Resort Utilities Corp.  
6630 Front Street  
Key West, FL 33040

(e) The Utility is requesting wastewater rates which would allow it to recover all expenses that the Utility will incur on a going-forward basis utilizing an historic test year, and generate a fair rate of return on its investment on all property considered used and useful in the public service. The revenue which the Utility requests should be adjusted to incorporate the repression in the customer usage as a result of the rates established in this case, in accordance with the standard methodology as utilized by the Staff.

The Utility has demonstrated through the supporting schedules within the attached Volume I that it is earning outside its range of reasonable returns. Submitted as part of Volume I are schedules of rate base (Schedules A-2 through A-19), cost of capital (Schedules D-1 through D-7), net operating income (Schedules B-2 through B-15 and C-1), and Engineering Schedules (Schedules F-2 through F-10) as applicable, pursuant to Commission Rule 25-30.437(5), F.A.C.

(f) The Affidavit of Christopher A. Johnson, the President of the Utility, certifying that the Utility will comply with Rule 25-22.0407, F.A.C., is attached hereto.

(g) The Utility requests that this Application be processed under the Commission's proposed agency action procedure outlined in Section 367.081(8), Florida Statutes.

2. Pursuant to Rule 25-30.020(2)(e), F.A.C., the appropriate filing fee of \$4,500.00 (more than wastewater 4,000 ERCs) is filed herewith.

3. The Utility knows of no deviations from the policies, procedures and guidelines prescribed by the Commission in relevant rules or in the Utility's last rate case.

#### Additional Information

##### I.

Sixteen copies of the Utility's Financial, Rate and Engineering Minimum Filing Requirements (Form PSC/WAW 20) are provided herewith as Volume I.

II.

Two copies of the Billing Analysis Schedules as required by Rule 25-30.437(4) are provided herewith as **Volume II**.

III.

Two copies of the Additional Engineering Information required by Rule 25-30.440(2)-(10), F.A.C. are provided herewith as **Volume III**.

IV.

One copy of a detailed system map, as required by Section 25-30.440(1)(a) and (b), is provided herewith.

V.

The original and three (3) copies of the Revised Tariff Sheets reflecting the proposed final wastewater rates are attached hereto as **Exhibit "A"**.

VI.

A reconciliation of the annual report to the trial balance and MFRs is attached hereto as **Exhibit "B"**.

VII.

The Utility requests that the Commission not withhold consent to the effectiveness of the proposed final wastewater rate increase as requested in this Application in accordance with the schedules contained in **Volume I** and the tariffs contained in **Exhibit "A"**.

WHEREFORE, the Utility requests that the Florida Public Service Commission do the following:

1. Accept jurisdiction of this Application to grant an increase in wastewater rates utilizing the PAA procedure set forth in Section 367.081(8), F.S.
2. Grant final wastewater rates as requested herein and contained in the tariffs included in Exhibit "A".
3. Provide such other and further relief as is fair, just and equitable.

Respectfully submitted this 30th day of June,  
2015, by:

FRIEDMAN & FRIEDMAN, P.A.  
766 N. Sun Drive, Suite 4030  
Lake Mary, FL 32746  
Telephone: (407) 830-6331  
Fax: (407) 878-2178  
[mfriedman@ffllegal.com](mailto:mfriedman@ffllegal.com)  
[bfriedman@ffllegal.com](mailto:bfriedman@ffllegal.com)



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MARTIN S. FRIEDMAN  
BRIDGET M. FRIEDMAN  
For the Firm

NOTE:

IN ACCORDANCE WITH PUBLIC SERVICE COMMISSION  
RULE 25-22.0407(2), THE MFRs, WHEN ACCEPTED BY THE  
COMMISSION, CAN BE OBTAINED FROM THE UTILITY  
UPON REQUEST.

**AFFIDAVIT OF CHRISTOPHER A. JOHNSON**

STATE OF FLORIDA  
COUNTY OF MONROE

BEFORE ME, personally appeared CHRISTOPHER A. JOHNSON, who is the President of K W Resort Utility Corp. who states that K W Resort Utility Corp. will comply with the noticing requirements of Rule 25-22.0407, Florida Administrative Code.

  
CHRISTOPHER A. JOHNSON

Sworn to and subscribed before me this 15 day of June, 2015, by Christopher A. Johnson, President of K W Resort Utility Corp., who is personally known to me or has produced N/A as identification.

FLORIDA Monroe County

  
NOTARY PUBLIC STATE OF

Printed Name: Judi L. Irizarry  
My Commission Expires:

NOTARY PUBLIC-STATE OF FLORIDA  
Judi L. Irizarry  
Commission # EE070830  
Expires: MAR. 22, 2015  
BONDED THRU ATLANTIC BONDING CO., INC.

**EXHIBIT "A"**

Proposed Final Rate Sheets

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

GENERAL SERVICE  
RATE SCHEDULE (GS)

- AVAILABILITY - Available throughout the area served by the Company.
- APPLICABILITY - For wastewater service to all customers for which no other schedule applies.
- LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.
- BILLING PERIOD- Monthly

RATES -

<u>Meter Size</u>	<u>Base Facility Charge</u>
5/8" x 3/4"	\$ 35.09
1"	\$ 87.72
1 1/2"	\$ 175.43
2"	\$ 280.67
3"	\$ 561.35
4"	\$ 877.12
6"	\$ 1,754.27
8"	\$ 3,157.63
8" Turbo	\$ 4,034.76
Gallonage Charge (Per 1,000 gallons)	\$ 9.14

- MINIMUM CHARGE - Base Facility Charge.
- TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.
- EFFECTIVE DATE - \_\_\_\_\_, 2016
- TYPE OF FILING - Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

RESIDENTIAL SERVICE  
RATE SCHEDULE (RS)

- AVAILABILITY - Available throughout the area served by the Company.
- APPLICABILITY - For wastewater service to private residences and individually metered apartment units.
- LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.
- BILLING PERIOD- Monthly

RATES -

<u>Meter Size</u>	<u>Base Facility Charge</u>
All meter sizes	\$ 35.09
Gallage Charge (Per 1,000 gallons) (Maximum 10,000 gallons)	\$ 7.62

- MINIMUM CHARGE - Base Facility Charge.
- TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.
- EFFECTIVE DATE - \_\_\_\_\_, 2016
- TYPE OF FILING - Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

REUSE OF RECLAIMED WATER

<u>AVAILABILITY</u> -	For Key West Golf Club, Monroe County Detention Center, Florida Keys Community College, Gerald Adams Elementary School, Lower Keys medical center and Senior Care Nursing Center.
<u>APPLICABILITY</u> -	For Key West Golf Club, Monroe County Detention Center, Florida Keys Community College, Gerald Adams Elementary School, Lower Keys medical center and Senior Care Nursing Center.
<u>LIMITATIONS</u> -	Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.
<u>BILLING PERIOD</u> -	Monthly
<u>RATES</u> -	Gallonage Charge - \$1.34 per 1,000 gallons  Reimbursement to Company for monies, fees or charges the Company may incur for testing samples of water withdrawn from monitoring wells on the Golf Course and Monroe County Detention Center.  Reimbursement to Company for monies, fees or charges the Company may incur in connection with daily testing of sewage in the water in the Golf Course Pond.
<u>MINIMUM CHARGE</u> -	None.
<u>TERMS OF PAYMENT</u> -	Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.
<u>EFFECTIVE DATE</u> -	_____, 2016
<u>TYPE OF FILING</u> -	Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

PRIVATE LIFT STATION OWNERS

AVAILABILITY - Available throughout the area served by the Company.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD- Monthly

RATES -

<u>Meter Size</u>	<u>Base Facility Charge</u>
5/8" x 3/4"	\$ 35.09
1"	\$ 87.72
2"	\$ 280.67
Gallonge Charge (Per 1,000 gallons)	\$ 9.14

MINIMUM CHARGE - Base Facility Charge.

TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.

EFFECTIVE DATE - \_\_\_\_\_, 2016

TYPE OF FILING - Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

BULK WASTEWATER RATE FOR  
SAFE HARBOR MARINA

AVAILABILITY - For Safe Harbor Marina.

APPLICABILITY - For Safe Harbor Marina.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD- Monthly

RATE - Flat Rate: \$3,280.11

TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.

EFFECTIVE DATE - \_\_\_\_\_, 2016

TYPE OF FILING - Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

BULK WASTEWATER RATE FOR  
SOUTH STOCK ISLAND MARINAS

- AVAILABILITY - For South Stock Island Marina.
- APPLICABILITY - Yacht Clubs of America (redeveloped former property owner of Peninsular Marina).
- LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.
- BILLING PERIOD- Monthly
- RATE - 6 Residential living units at 1 ERC each \$200.86  
2" meter that serves ship store, clubhouse, swimming pool bar, restaurant, locker rooms, bathrooms, laundry facilities, business located on property, 100 wet slips served by dockside sewer, fitness center and sauna. \$280.67  
Gallorage charge per 1,000 gallons - \$ 9.14
- TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.
- EFFECTIVE DATE - \_\_\_\_\_, 2016
- TYPE OF FILING - Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

GENERAL SERVICE MULTIPLE AGREEMENT FOR  
KEY WEST GOLF CLUB HOME OWNERS ASSOCIATION

AVAILABILITY - For Key West Golf Club Home Owners Association.

APPLICABILITY - For Key West Golf Club Home Owners Association.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD- Monthly

RATE -                    Large swimming pool                    \$207.54  
                                  Small swimming pool                    \$ 61.68

TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.

EFFECTIVE DATE -                    \_\_\_\_\_, 2016

TYPE OF FILING -                    Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

KW RESORT UTILITIES CORPORATION  
WASTEWATER TARIFF

TEMPORARY SERVICE AGREEMENT  
DEWATERING SLUDGE LOADS

AVAILABILITY - For Dewatering Sludge Load Customers.

APPLICABILITY - For Dewatering Sludge Load Customers.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD- Monthly

RATE - \$9.14 per 1,000 gallons

MINIMUM CHARGE- \$1,416.82 (155,000 gallons)  
(20 ERC's X 250 gallons/day X 31 days)

TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a customer is delinquent in paying for wastewater service, service may then be discontinued.

EFFECTIVE DATE - \_\_\_\_\_, 2016

TYPE OF FILING - Final Rates

Christopher A. Johnson  
Issuing Officer

President  
Title

**EXHIBIT "B"**  
Reconciliation

K W RESORT UTILITIES CORP  
Docket No.: 150071-SU  
RECONCILIATION OF ANNUAL REPORT TO MFR  
YEAR ENDING : December 31, 2014

Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page
A-6(a): 351.1	Organization	-	351	Organization	-	S-4(a)
		<u>-</u>			<u>-</u>	-
A-6(a): 352.1	Franchises	92,864	352	Franchises	92,864	S-4(a)
		<u>92,864</u>			<u>92,864</u>	0
A-6(a): 353.2	Land and Land Rights	-				
A-6(a): 353.3	Land and Land Rights	-				
A-6(a): 353.4	Land and Land Rights	381,000				
A-6(a): 353.5	Land and Land Rights	-				
A-6(a): 353.6	Land and Land Rights	-				
A-6(a): 353.7	Land and Land Rights	-	353	Land and Land Rights	381,000	S-4(a)
		<u>381,000</u>			<u>381,000</u>	(0)
A-6(a): 354.2	Structures and Improvements	-				
A-6(a): 354.3	Structures and Improvements	-				
A-6(a): 354.4	Structures and Improvements	673,398				
A-6(a): 354.7	Structures and Improvements	-				
		<u>673,398</u>	354	Structures and Improvements	<u>673,398</u>	S-4(a)
						0
A-6(a): 390.7	Office Furniture and Equipment	21,596				
		<u>21,596</u>	390	Office Furniture and Equipment	<u>21,596</u>	S-4(a)
					<u>21,596</u>	0
A-6(a): 393.7	Tools, Shop and Garage Equipment	29,392				
A-6(a): 343.5	Tools, Shop & Garage Equipment	-	393	Tools, Shop and Garage Equipment	29,393	S-4(a)
		<u>29,392</u>			<u>29,393</u>	(1) Rounding
A-6(a): 396.7	Communication Equipment	-				
A-6(a): 346.5	Communication Equipment	-	396	Communication Equipment	-	S-4(a)
		<u>-</u>			<u>-</u>	-
A-6(a): 398.7	Other Tangible Plant	-	398	Other Tangible Plant	-	S-4(a)
A-6(a): 348.5	Other Plant - Allocations	-			-	
		<u>-</u>			<u>-</u>	-
A-6(a): 355.2	Power Generation Equipment	208,358				
A-6(a): 355.4	Power Generation Equipment	-	355	Power Generation Equipment	208,358	S-4(a)
		<u>208,358</u>			<u>208,358</u>	0
A-6(a): 360.2	Collection Sewers - Force	3,760,680	360	Collection Sewers - Force	3,760,680	S-4(a)
		<u>3,760,680</u>			<u>3,760,680</u>	(0)
A-6(a): 363.2	Services to Customers	97,440	363	Services to Customers	97,440	S-4(a)
		<u>97,440</u>			<u>97,440</u>	(0)

K W RESORT UTILITIES CORP  
Docket No.: 150071-SU  
RECONCILIATION OF ANNUAL REPORT TO MFR  
YEAR ENDING : December 31, 2014

Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page	
A-6(a): 361.2	Collection Sewers - Gravity	1,203,239	361	Collection Sewers - Gravity	1,203,239	S-4(a)	
A-6(a): 361.2	Manholes		361	Manholes		S-4(a)	
		<u>1,203,239</u>			<u>1,203,239</u>		0
A-6(a): 364.2	Flow Measuring Devices	2,675	364	Flow Measuring Devices	-	S-4(a)	
		<u>2,675</u>			<u>-</u>		Erroneously included in Flow Measuring Installation Account in the Annual Report. See 365 Flow Measuring Installation.
							2,675
A-6(a): 365.2	Flow Measuring Installation	-	365	Flow Measuring Installation	2,675		
		<u>-</u>			<u>2,675</u>		Erroneously included in Flow Measuring Installation Account in the Annual Report. See 364 Flow Measuring Devices
							(2,675)
A-6(a): 370.3	Receiving Wells	875,899	370	Receiving Wells	875,899		
		<u>875,899</u>			<u>875,899</u>		(0)
A-6(a): 371.3	Pumping Equipment	332,703					
A-6(a): 371.5	Pumping Equipment	-	371	Pumping Equipment	332,703	S-4(a)	
		<u>332,703</u>			<u>332,703</u>		0
A-6(a): 375.6	Reuse Transmission and Distribution System	316,298	375	Reuse Transmission and Distribution System	316,298	S-4(a)	
A-6(a): 374.5	Reuse Distribution Reservoirs	-	374	Reuse Distribution Reservoirs		S-4(a)	
		<u>316,298</u>			<u>316,298</u>		(0)
A-6(a): 380.4	Treatment and Disposal Equipment	4,227,014					
		<u>4,227,014</u>	380	Treatment and Disposal Equipment	4,227,014	S-4(a)	
					<u>4,227,014</u>		0
A-6(a): 381.4	Plant Sewers	28,762					
		<u>28,762</u>	381	Plant Sewers	28,762	S-4(a)	
					<u>28,762</u>		0
A-6(a): 389.3	Other Plant Miscellaneous Equipment	44,203					
		<u>44,203</u>	389	Other Plant Miscellaneous Equipment	44,203	S-4(a)	
					<u>44,203</u>		(0)
A-6(a): 391.7	Transportation Equipment	98,560					
		<u>98,560</u>	391	Transportation Equipment	98,559	S-4(a)	
					<u>98,559</u>		1 Rounding
A-6(a): 394.7	Laboratory Equipment	21,191					
A-6(a): 344.5	Laboratory Equipment		394	Laboratory Equipment	21,191	S-4(a)	
		<u>21,191</u>			<u>21,191</u>		0
A-6(a): 395.7	Power Operated Equipment	88,847					
A-6(a): 345.5	Power Operated Equipment		395	Power Operated Equipment	88,847	S-4(a)	

K W RESORT UTILITIES CORP  
Docket No.: 150071-SU  
RECONCILIATION OF ANNUAL REPORT TO MFR  
YEAR ENDING : December 31, 2014

Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page	
		<u>88,847</u>			<u>88,847</u>		(0)
A-6(a): 397.7	Miscellaneous Equipment	-	397	Miscellaneous Equipment		S-4(a)	
		<u>-</u>			<u>-</u>		
A-6(a): 392.7	Stores Equipment	1,862	392	Stores Equipment	1,862	S-4(a)	
		<u>1,862</u>			<u>1,862</u>		
	<b>Total Wastewater UPIS A-6(a)</b>	<b>12,505,980</b>		<b>Total Wastewater UPIS S-4(a)</b>	<b>12,505,981</b>		(1) Rounding
A-10(a): 380.4	Accum. Depr. Treatment and Disposal Equipment	2,485,194					
A-10(a): 380.5	Accum. Depr. Treatment and Disposal Equipment		380	Accum. Depr. Treatment and Disposal Equipment	2,485,194	S-6(b)	
		<u>2,485,194</u>			<u>2,485,194</u>		
A-10(a): 355.2	Accum. Depr. Power Generation Equipment	61,976					
A-10(a): 355.4	Accum. Depr. Power Generation Equipment		355	Accum. Depr. Power Generation Equipment	61,976	S-6(b)	
		<u>61,976</u>			<u>61,976</u>		
A-10(a): 370.3	Accum. Depr. Receiving Wells	355,480	370	Accum. Depr. Receiving Wells	355,480	S-6(b)	
		<u>355,480</u>			<u>355,480</u>		
A-10(a): 374.6	Accum. Depr. Reuse Distribution Reservoir	-					
A-10(a): 375.6	Accum. Depr. Reuse Transmission and Distribution System	81,199	375	Accum. Depr. Reuse Transmission and Distribution System	81,199	S-6(b)	
		<u>81,199</u>			<u>81,199</u>		
A-10(a): 351.1	Accum. Depr. Organization	-	301	Accum. Depr. Organization	-	S-6(b)	
		<u>-</u>			<u>-</u>		
A-10(a): 352.1	Accum. Depr. Franchises	35,934	302	Accum. Depr. Franchises	35,934	S-6(b)	
		<u>35,934</u>			<u>35,934</u>		
A-10(a): 354.2	Accum. Depr. Structures and Improvements	292,129					
A-10(a): 354.3	Accum. Depr. Structures and Improvements	-					
A-10(a): 354.4	Accum. Depr. Structures and Improvements	-					
A-10(a): 354.7	Accum. Depr. Structures and Improvements	-	354	Accum. Depr. Structures and Improvements	292,129	S-6(b)	
		<u>292,129</u>			<u>292,129</u>		
A-10(a): 363.2	Accum. Depr. Services to Customers	17,667	363	Accum. Depr. Services to Customers	17,667	S-6(b)	
		<u>17,667</u>			<u>17,667</u>		
A-10(a): 360.2	Accum. Depr. Collection Sewers - Force	1,891,523	360	Accum. Depr. Collection Sewers - Force	1,891,523	S-6(b)	
		<u>1,891,523</u>			<u>1,891,523</u>		

K W RESORT UTILITIES CORP  
Docket No.: 150071-SU  
RECONCILIATION OF ANNUAL REPORT TO MFR  
YEAR ENDING : December 31, 2014

Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page
A-10(a): 361.2	Accum. Depr. Collection Sewers - Gravity	<u>383,262</u> <u>383,262</u>	361	Accum. Depr. Collection Sewers - Gravity	<u>383,262</u> <u>383,262</u>	S-6(b)
A-10(a): 371.3	Accum. Depr. Pumping Equipment	244,011				
A-10(a): 371.5	Accum. Depr. Pumping Equipment	-				
		<u>244,011</u>	371	Accum. Depr. Pumping Equipment	<u>244,011</u> <u>244,011</u>	S-6(b)
A-10(a): 390.7	Accum. Depr. Office Furniture and Equipment	<u>22,797</u> <u>22,797</u>	390	Accum. Depr. Office Furniture and Equipment	<u>22,797</u> <u>22,797</u>	S-6(b)
A-10(a): 391.7	Accum. Depr. Transportation Equipment	<u>48,939</u> <u>48,939</u>	391	Accum. Depr. Transportation Equipment	<u>48,939</u> <u>48,939</u>	S-6(b)
A-10(a): 393.7	Accum. Depr. Tools, Shop and Garage Equipment	<u>25,214</u> <u>25,214</u>	393	Accum. Depr. Tools, Shop and Garage Equipment	<u>25,214</u> <u>25,214</u>	S-6(b)
A-10(a): 394.7	Accum. Depr. Laboratory Equipment	<u>10,523</u> <u>10,523</u>	394	Accum. Depr. Laboratory Equipment	<u>10,523</u> <u>10,523</u>	S-6(b)
A-10(a): 395.7	Accum. Depr. Power Operated Equipment	<u>65,136</u> <u>65,136</u>	395	Accumulated Depreciation Power Operated Equipment	<u>65,136</u> <u>65,136</u>	S-6(b)
A-10(a): 396.7	Accum. Depr. Communication Equipment	<u>-</u> <u>-</u>	396	Accum. Depr. Communication Equipment	<u>-</u> <u>-</u>	S-6(b)
A-10(a): 398.7	Accum. Depr. Other Tangible Plant	<u>-</u> <u>-</u>	398	Accum. Depr. Other Tangible Plant	<u>-</u> <u>-</u>	S-6(b)
A-10(a): 364.2	A/D Flow Measuring Devices	<u>2,674</u> <u>2,674</u>	364	A/D Flow Measuring Devices	<u>2,674</u> <u>2,674</u>	
A-10(a): 397.7	Accum. Depr. Miscellaneous Equipment	<u>-</u> <u>-</u>	397	Accum. Depr. Miscellaneous Equipment	<u>-</u> <u>-</u>	S-6(b)
A-10(a): 381.4	Accum. Depr. Plant Sewers	<u>7,291</u> <u>7,291</u>	381	Accum. Depr. Plant Sewers	<u>7,291</u> <u>7,291</u>	S-6(b)
A-10(a): 392.7	Accum. Depr. Stores Equipment	671	392	Accum. Depr. Stores Equipment	671	S-6(b)

K W RESORT UTILITIES CORP  
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Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page
		<u>671</u>			<u>671</u>	-
A-10(a): 389.1	Accum. Depr. Other Plant Miscellaneous Equipment	-				
A-10(a): 389.2	Accum. Depr. Other Plant Miscellaneous Equipment	-				
A-10(a): 389.3	Accum. Depr. Other Plant Miscellaneous Equipment	-				
A-10(a): 389.4	Accum. Depr. Other Plant Miscellaneous Equipment	24,101				
A-10(a): 389.5	Accum. Depr. Other Plant Miscellaneous Equipment	-				
		<u>24,101</u>	389	Accum. Depr. Other Plant Miscellaneous Equipment	<u>24,101</u>	S-6(b)
					<u>24,101</u>	-
	<b>Total Wastewater A/D A-10(a)</b>	<b>6,055,721</b>		<b>Total Wastewater UPIS S-6(b)</b>	<b>6,055,721</b>	-
B-6: 701	Salaries & Wages - Employees	<u>449,108</u>	701	Salaries & Wages - Employees	<u>449,108</u>	S-10(a)
		<u>449,108</u>			<u>449,108</u>	0
B-6: 703	Salaries & Wages - Officers, Etc.	<u>141,792</u>	703	Salaries & Wages - Officers, Etc.	<u>141,792</u>	S-10(a)
		<u>141,792</u>			<u>141,792</u>	-
B-6: 704	Employee Pensions & Benefits	<u>92,825</u>	704	Employee Pensions & Benefits	<u>92,825</u>	S-10(a)
		<u>92,825</u>			<u>92,825</u>	(0)
B-6: 710	Purchased Sewage Treatment	<u>-</u>	710	Purchased Sewage Treatment	<u>-</u>	S-10(a)
		<u>-</u>			<u>-</u>	-
B-6: 711	Sludge Removal Expense	<u>39,394</u>	711	Sludge Removal Expense	<u>39,394</u>	S-10(a)
		<u>39,394</u>			<u>39,394</u>	0
B-6: 715	Purchased Power	<u>146,711</u>	715	Purchased Power	<u>146,711</u>	S-10(a)
		<u>146,711</u>			<u>146,711</u>	(0)
B-6: 716	Fuel for Power Purchased	<u>-</u>	716	Fuel for Power Purchased	<u>-</u>	S-10(a)
		<u>-</u>			<u>-</u>	-
B-6: 718	Chemicals	<u>32,330</u>	718	Chemicals	<u>32,330</u>	S-10(a)
		<u>32,330</u>			<u>32,330</u>	0
B-6: 720	Materials & Supplies	<u>43,885</u>	720	Materials & Supplies	<u>43,884</u>	S-10(a)
		<u>43,885</u>			<u>43,884</u>	1 Rounding
B-6: 731	Contractual Services - Engr.	<u>7,270</u>	731	Contractual Services - Engr.	<u>7,270</u>	S-10(a)
		<u>7,270</u>			<u>7,270</u>	0
B-6: 732	Contractual Services - Acct.	<u>11,550</u>	732	Contractual Services - Acct.	<u>11,550</u>	S-10(a)
		<u>11,550</u>			<u>11,550</u>	-
B-6: 733	Contractual Services - Legal	<u>2,328</u>	733	Contractual Services - Legal	<u>2,328</u>	S-10(a)
		<u>2,328</u>			<u>2,328</u>	0

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Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page	
B-6: 734	Contractual Services - Mgmt. Fees	<u>60,000</u> <u>60,000</u>	734	Contractual Services - Mgmt. Fees	<u>60,000</u> <u>60,000</u>	S-10(a)	-
B-6: 735	Contractual Services - Testing	<u>16,975</u> <u>16,975</u>	735	Contractual Services - Testing	<u>16,975</u> <u>16,975</u>	S-10(a)	0
B-6: 736	Contractual Services - Other	<u>28,410</u> <u>28,410</u>	736	Contractual Services - Other	<u>28,412</u> <u>28,412</u>	S-10(a)	(2)
B-6: 741	Rental of Building/Real Prop.	<u>1,100</u> <u>1,100</u>	741	Rental of Building/Real Prop.	<u>1,100</u> <u>1,100</u>	S-10(a)	-
B-6: 742	Rental of Equipment	<u>-</u> <u>-</u>	742	Rental of Equipment	<u>-</u> <u>-</u>	S-10(a)	-
B-6: 750	Transportation Expenses	<u>24,109</u> <u>24,109</u>	750	Transportation Expenses	<u>24,108</u> <u>24,108</u>	S-10(a)	1 Rounding
B-6: 756	Insurance - Vehicle	<u>-</u> <u>-</u>	756	Insurance - Vehicle	<u>-</u> <u>-</u>	S-10(a)	-
B-6: 757	Insurance - General Liability	<u>35,948</u> <u>35,948</u>	757	Insurance - General Liability	<u>35,948</u> <u>35,948</u>	S-10(a)	0
B-6: 758	Insurance - Workman's Comp.	<u>20,729</u> <u>20,729</u>	758	Insurance - Workman's Comp.	<u>20,729</u> <u>20,729</u>	S-10(a)	(0)
B-6: 759	Insurance - Other	<u>-</u> <u>-</u>	759	Insurance - Other	<u>-</u> <u>-</u>	S-10(a)	-
B-6: 760	Advertising Expense	<u>2,764</u> <u>2,764</u>	760	Advertising Expense	<u>2,764</u> <u>2,764</u>	S-10(a)	(0)
B-6: 766	Reg. Comm. Exp. - Rate Case Amort.	<u>-</u> <u>-</u>	766	Reg. Comm. Exp. - Rate Case Amort.	<u>-</u> <u>-</u>	S-10(a)	-
B-6: 767	Reg. Comm. Exp. - Other	<u>-</u> <u>-</u>	767	Reg. Comm. Exp. - Other	<u>-</u> <u>-</u>	S-10(a)	-
B-6: 770	Bad Debt Expense	<u>-</u> <u>-</u>	770	Bad Debt Expense	<u>-</u> <u>-</u>	S-10(a)	-
B-6: 775	Miscellaneous Expenses	<u>42,443</u> <u>42,443</u>	775	Miscellaneous Expenses	<u>42,444</u> <u>42,444</u>	S-10(a)	1 Rounding
<b>Total Wastewater Utility Expenses B-8</b>		<b>1,199,672</b>		<b>Total Wastewater Utility Expenses S-10(a)</b>	<b>1,199,672</b>		<b>(0)</b>

K W RESORT UTILITIES CORP  
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Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page	
<b>WASTEWATER</b>							
A-12	Plant Capacity Fees	707,000					
A-12	Line/Main Extension Fees	9,376,008					
A-12	Contributed Property	-					
A-12	Other - Tap Fees	-					
A-12	<b>Total Wastewater CIAC A-12</b>	<u>10,083,008</u>	271	Contributions in Aid of Construction	<u>10,083,009</u>	F-2(b)	(1) Rounding
					<u>10,083,009</u>		
<b>WASTEWATER</b>							
A-14	Plant Capacity Fees	353,500					
A-14	Line/Main Extension Fees	2,946,627					
A-14	Contributed Property	-					
A-14	Other - Tap Fees	-					
A-14	<b>Total Wastewater CIAC Amortization A-12</b>	<u>3,300,127</u>		Amortization of Contributions in Aid of Construction	<u>3,300,127</u>	F-2(b)	(0)
					<u>3,300,127</u>		
A-18; Line 1	Utility Plant in Service	12,505,980	101-106	Utility Plant	12,505,981	F-1(a)	
A-18; Line 3	Other Utility Plant Adjustments	-	116	Other Utility Plant Adjustments	-	F-1(a)	
A-18; Line 6	Less: Accum. Depr.	(6,055,721)	108-110	Less: Accumulated Depreciation	(6,055,721)	F-1(a)	
A-18; Line 8	<b>NET UTILITY PLANT</b>	<u>6,450,259</u>		<b>Total Net Utility Plant</b>	<u>6,450,260</u>	F-1(a)	(1) Rounding
A-18; Line 10	Cash	<u>818,918</u>	131	Cash	<u>818,918</u>	F-1(a)	0
		<u>818,918</u>			<u>818,918</u>		
A-18; Line 11	Accounts Rec'b - trade	69,073					
A-18; Line 15	Accounts Rec'b - Other	24,029					
A-18; Line 18	Allowance for Bad Debts	<u>(10,000)</u>	141-144	Accounts & Notes Receivable Less Provision for Uncollectable Accounts	<u>87,289</u>	F-1(a)	
		<u>83,102</u>			<u>87,289</u>		Prepayments included in Accounts Receivable in the Annual Report in (4,187) error See 162- Prepayments
A-18; Line 13	Accts. Rec'b - Assoc. Cos.	<u>-</u>	145	Accounts Receivable from Associated Companies	<u>-</u>	F-1(a)	
		<u>-</u>			<u>-</u>		
A-18; Line 19	Materials & Supplies	<u>-</u>	151-153	Material and Supplies	<u>-</u>	F-1(a)	
		<u>-</u>			<u>-</u>		
A-18; Line 20	Miscellaneous Current & Accrued Assets	<u>13,125</u>	174	Misc. Current and Accrued Assets	<u>13,125</u>	F-1(a)	
		<u>13,125</u>			<u>13,125</u>		

K W RESORT UTILITIES CORP  
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Account Number - MFR	Description	Amount	Account Number Annual Report	Description	Amount	Page	
A-18; Line 16	Prepayments	25,281	162	Special Deposits Prepayments	21,094	F-1(a)	
		<u>25,281</u>			<u>21,094</u>		4,187
							Prepayments included in Accounts Receivable in the Annual Report in error See 141-144 Accounts Receivables
A-18; Line 21	TOTAL CURRENT ASSETS	<u>940,426</u>		<b>Total Current and Accrued Assets</b>	<u>940,426</u>		0
A-18; Line 26	Prelim. Survey & Investigation Charges	32,590	183	Preliminary Survey & Investigation Charges	32,590	F-1(b)	
		<u>32,590</u>			<u>32,590</u>		(0)
A-18; Line 27	Clearing Accounts	-					
A-18; Line 28	Deferred Rate Case Expense	92,745					
A-18; Line 29	Other Miscellaneous Deferred Debits	-	186	Misc. Deferred Debits	92,745	F-1(b)	
		<u>92,745</u>			<u>92,745</u>		(0)
A-18; Line 33	TOTAL ASSETS	<u>7,516,020</u>		<b>TOTAL ASSETS AND OTHER DEBITS</b>	<u>7,516,021</u>	F-1(b)	(1) Rounding
A-19; Line 1	Common Stock Issued	1,000	201	Common Stock Issued	1,000	F-2(a)	
A-19; Line 3	Additional Paid in Capital	258,302	211	Additional Paid in Capital	258,302	F-2(a)	
A-19; Line 4	Retained Earnings	(1,040,798)	214-215	Retained Earnings	(1,040,799)	F-2(a)	
A-19; Line 7	TOTAL EQUITY CAPITAL	<u>(781,496)</u>		TOTAL EQUITY CAPITAL	<u>(781,497)</u>	F-2(a)	1 Rounding
A-19; Line 11	Advances from Associated Companies	852,903	223	Advances from Associated Companies			
A-19; Line 12	Other Long-Term Debt	373,571	224	Other Long-Term Debt	373,571		
		<u>1,226,475</u>			<u>373,571</u>	F-2(a)	852,904
							Included in Notes & Accounts Payable in the Annual Report in error See 234
A-19; Line 16	Accounts Payable	44,945	231	Accounts Payable	44,945	F-2(a)	
A-19; Line 18	Notes & Accounts Payable -Assoc Cos.	-	234	Notes & Accounts Payable -Assoc Cos.	852,903	F-2(a)	
A-19; Line 19	Customer Deposits	169,866	235	Customer Deposits	169,866	F-2(a)	
A-19; Line 20	Accrued Taxes	36,672	236	Accrued Taxes	36,672	F-2(a)	
A-19; Line 22	Accrued Interest	-	237	Accrued Interest		F-2(a)	
A-19; Line 24	Misc. Current and Accrued Liabilities	36,677	241	Misc. Current and Accrued Liabilities	36,677	F-2(a)	
	TOTAL CURRENT & ACCRUED LIABILITIES	<u>288,160</u>		TOTAL CURRENT & ACCRUED LIABILITIES	<u>1,141,063</u>	F-2(a)	(852,903)
							Included in Notes & Accounts Payable in the Annual Report in error See 223
A-19; Line 35	Contribution in Aid of Construction	10,083,009	271	Contribution in Aid of Construction	10,083,009	F-2(b)	
		<u>10,083,009</u>			<u>10,083,009</u>		(1) Rounding
A-19; Line 36	Accum. Amortization of CIAC	(3,300,127)	272	Accum. Amortization of CIAC	(3,300,127)	F-2(b)	-

K W RESORT UTILITIES CORP  
Docket No.: 150071-SU  
RECONCILIATION OF ANNUAL REPORT TO MFR  
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Account Number - MFR	Description	Amount <u>(3,300,127)</u>	Account Number Annual Report	Description	Amount <u>(3,300,127)</u>	Page	
A-19; Line 38	Accumulated Deferred Income Taxes	-	281-283	Accumulated Deferred Income Taxes	-	F-2(b)	-
A-18; Line 21	TOTAL EQUITY CAPITAL AND LIABILITIES	<u>7,516,020</u>		<b>Total Current and Accrued Assets</b>	<u>7,516,019</u>		1 Rounding
B-2; Line 1; Col 2	Wastewater Operating Revenues	<u>1,479,307</u> <u>1,479,307</u>	400	Wastewater Operating Revenues	<u>1,479,307</u> <u>1,479,307</u>	S-3	(0)
B-2; Line 3; Col 2	Operation & Maintenance	<u>1,199,672</u> <u>1,199,672</u>	401	Operation & Maintenance	<u>1,199,672</u> <u>1,199,672</u>	S-3	(0) (0)
B-2; Line 5; Col 2	Depreciation, net of CIAC Amort.	<u>95,996</u> <u>95,996</u>	403	Depreciation, net of CIAC Amort.	<u>95,996</u> <u>95,996</u>	S-3	-
B-2; Line 9; Col 2	Taxes Other Than Income	<u>132,607</u> <u>132,607</u>	408	Taxes Other Than Income	<u>132,607</u> <u>132,607</u>	S-3	-
B-2; Line 11; Col 2	Provision for Income Taxes	-	409.1 410.1 410.11	Income Taxes Deferred Federal Income Taxes Deferred State Income Taxes	- - -	S-3 S-3 S-3	-
B - 12	Gains (losses) From Disposition of Utility Property	-	414	Gains (losses) From Disposition of Utility Property	-	F-3(a)	-

Please note that some accounts may have a small difference, which is due to rounding error.

(4) Rounding

CLASS A and B  
WASTEWATER UTILITIES

FINANCIAL, RATE  
AND ENGINEERING  
MINIMUM FILING  
REQUIREMENTS

OF

KW RESORT UTILITIES CORP

Exact Legal Name of Utility  
Docket No.: 150071-SU

VOLUME I



FOR THE

Test Year Ended: December 31, 2014

**CLASS A AND B WATER AND/OR SEWER UTILITIES  
FINANCIAL, RATE AND ENGINEERING  
MINIMUM FILING REQUIREMENTS**

**INDEX**

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A-3	2	Adjustments to Rate Base - Final
A-4	3	Annual Plant Additions and Balances
A-6	4	Sewer Plant in Service by Primary Account
A-7	6	Summary of Non-Used & Useful Plant
A-8	7	Annual Accumulated Depreciation Additions and Balances
A-10	8	Sewer Accumulated Depreciation by Primary Account
A-11	10	Annual CIAC Additions and Balances
A-12	11	CIAC by Classification
A-13	13	Annual Accumulated Amortization of CIAC Additions and Balances
A-14	14	Accumulated Amortization of CIAC by Classification
A-15	16	Schedule of AFUDC Rates Used
A-16	17	Annual Advances for Construction Additions and Balances
A-17	18	Calculation of Working Capital Allowance
A-18	19	Comparative Balance Sheet - Assets
A-19	21	Comparative Balance Sheet - Liabilities & Owners' Equity
<u>NET OPERATING INCOME</u>		
B-2	23	Schedule of Sewer Operating Statement - Final
B-3	24	Adjustments to Operating Income - Final
B-4	26	Test Year Operating Revenues
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B-10	30	Analysis of Rate Case Expense
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C-1	35	Reconciliation of Total Income Tax Provision - Final
<u>COST OF CAPITAL</u>		
D-1	36	Requested Cost of Capital - Final
D-2	37	Reconciliation of Capital Structure to Requested Rate Base - Final
D-3	38	Preferred Stock Outstanding
D-4	39	Short-Term Debt
D-5	40	Long-Term Debt
D-6	41	Variable Rate Long-Term Debt
D-7	42	Schedule of Customer Deposits

CLASS A AND B WATER AND/OR SEWER UTILITIES  
FINANCIAL, RATE AND ENGINEERING  
MINIMUM FILING REQUIREMENTS

INDEX

<u>SCHEDULE</u>	<u>PAGE(S)</u>	<u>DESCRIPTION OF SCHEDULE</u>
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E-11	54	Guaranteed Revenues Received Schedule
E-12	55	Class A Utility Cost of Service Study
E-13	56	Projected Test Year Revenue Calculation
E-14	57	Billing Analysis Schedule (contained in Volume II)
<u>ENGINEERING SCHEDULES</u>		
F-2	58	Gallons of Wastewater Treated
F-4	59	Wastewater Treatment Plant Data
F-6	60	Used and Useful Calculations - Wastewater Treatment Plant
F-7	64	Used and Useful Calculations - Water Distribution System and Wastewater Collection System
F-8	65	Margin Reserve Calculations - Water and Wastewater
F-10	66	Equivalent Residential Connections - Wastewater

CLASS A AND B WATER AND/OR SEWER UTILITIES  
FINANCIAL, RATE AND ENGINEERING  
MINIMUM FILING REQUIREMENTS

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<u>SCHEDULE</u>	<u>PAGE(S)</u>	<u>DESCRIPTION OF SCHEDULE</u>
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VOLUME II

BILLING ANALYSIS

RATE BASE

Schedule of Wastewater Rate Base

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Interim [ ] Final [X]  
 Historic [X] Projected [ ]

Schedule: A-2  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the calculation of average rate base for the test year, showing all adjustments. All non-used and useful items should be reported as Plant Held For Future Use.

Line No.	(1) Description	(2) Average Amount Per Books	(3) A-3 Utility Adjustments	(4) Adjusted Utility Balance	(5) Supporting Schedule(s)
1	Utility Plant in Service	\$ 11,925,704	\$ 3,574,468 (A)	\$ 15,500,172	A-3, A-6
2					
3	Utility Land & Land Rights	375,923		375,923	A-3, A-6
4					
5	Less: Non-Used & Useful Plant	-		-	A-7
6					
7	Construction Work in Progress	-		-	A-3
8					
9	Less: Accumulated Depreciation	(5,828,761)	(200,666) (B)	(6,029,427)	A-3, A-10
10					
11	Less: CIAC	(9,946,997)		(9,946,997)	A-3, A-12
12					
13	Accumulated Amortization of CIAC	3,096,094		3,096,094	A-3, A-14
14					
15	Acquisition Adjustments				-
16					
17	Accum. Amort. of Acq. Adjustments				-
18					
19	Advances For Construction				A-3, A-16
20					
21	Working Capital Allowance	-	1,367,232 (C)	1,367,232	A-3, A-17
22					
23	Total Rate Base	\$ (378,037)	\$ 4,741,034	\$ 4,362,997	

Schedule of Adjustments to Rate Base  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Interim [ ] Final [X]  
 Historic [X] Projected [ ]

Florida Public Service Commission  
 Schedule: A-3  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a detailed description of all adjustments to rate base per books, with a total for each rate base line item.

Line No.	Description	Water	Wastewater
1	<b>(A) Utility Plant in Service</b>		
2	(1) Pro Forma Plant Additions		
3	380.4 Treatment & Disposal Equipment		3,489,234
4	381.4 Plant Sewers		85,234
5			
6	<b>Total Adjustments to Utility Plant in Service</b>		<b>\$ 3,574,468</b>
7			
8	<b>(B) Accumulated Depreciation</b>		
9	(1) Adjustment to annualize Accum Depr for plant added during the Test Year		
10	355.2 Power Gen Equipment		568
11	360.2 Sewer Collection - Force		1,869
12	361.2 Sewer Collection Gravity		147
13	363.2 Services to Customers		92
14	371.3 Pumping Equipment		1,156
15	380.4 Treatment & Disposal Equipment		51
16	391.7 Transportation Equipment		375
17	395.7 Power Operated Equipment		126
18	<b>Total Adjustment to Test Year Accumulated Depreciation</b>		<b>4,384</b>
19			
20	(2) Pro Forma Plant Additions		
21	380.4 Treatment & Disposal Equipment		193,846
22	381.4 Plant Sewers		2,435
23			
24	<b>Total Pro Forma Adjustments to Accumulated Depreciation</b>		<b>\$ 196,282</b>
25			
26	<b>Total Adjustments to Accumulated Depreciation</b>		<b>\$ 200,666</b>
27			
28	<b>(C) Working Capital per Schedule A-17</b>		<b>\$ 1,367,232</b>

Schedule of Water and Wastewater Plant in Service  
Annual Balances Subsequent to Last Established Rate Base

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: A-4  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the annual balance of the original cost of plant in service, for water and sewer separately, for all years since either rate base was last established by this Commission, or the date of inception of utility service if rate base has not been established previously by this Commission; and yearly additions, retirements, and adjustments by dollar amount up to the end of the test year. Provide an additional page if necessary. If a projected test year is used, include the projected annual additions and/or retirements specifically identifying those amounts.

Line No.	Description	Year-End Balance	
		Water	Wastewater
1	Balance 12/31/2006	\$	10,170,911
2	Additions		966,983
3	Adjustments per Docket 070293-SU		(1,247,769)
4	Balance 12/31/2007		9,890,125
5	Additions		1,930,418
6	Retirements		
7	Adjustments		(74,637)
8	Balance 12/31/2008		11,745,906
9	Additions		198,902
10	Retirements		
11	Adjustment - Rounding		
12	Balance 12/31/2009		11,944,808
13	Additions		22,000
14	Retirements		
15	Adjustment - Rounding		
16	Balance 12/31/2010		11,966,808
17	Additions		6,000
18	Retirements		(900)
19	Adjustment - Rounding		
20	Balance 12/31/2011		11,971,908
21	Additions		52,017
22	Retirements		
23	Adjustment - Rounding		
24	Balance 12/31/2012		12,023,925
25	Additions		148,589
26	Retirements		
27	Adjustment - Rounding		
28	Balance 12/31/2013		12,172,514
29	Additions		333,467
30	Retirements		
31	Adjustment - Rounding		(1)
32	Balance 12/31/2014		12,505,980

Schedule of Wastewater Plant in Service By Primary Account  
 Test Year Average Balance

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Schedule: A-6  
 Page 1 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Recap Schedules: A-2, A-4

Line No.	(1) Account No. and Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Prior Year 12/31/13	Test Year 12/31/14	13 Month Average Balance	Adjustments*	Adjusted Average	Non-Used & Useful %	Non-Used & Amount
1	<b>INTANGIBLE PLANT</b>							
2	351.1 Organization	\$ -	\$ -	\$ -		\$ -		
3	352.1 Franchises	92,864	92,864	92,864		92,864		
4	389.1 Other Plant & Misc. Equipment	-	-	-		-		
5	<b>COLLECTION PLANT</b>							
6	353.2 Land & Land Rights	-	-	-		-		
7	354.2 Structures & Improvements	-	-	-		-		
8	355.2 Power Gen Equipment	185,629	208,358	199,147		199,147		
9	360.2 Collection Sewers - Force	3,648,542	3,760,680	3,678,691		3,678,691		
10	361.2 Collection Sewers - Gravity	1,194,421	1,203,239	1,195,103		1,195,103		
11	362.2 Special Collecting Structures	-	-	-		-		
12	363.2 Services to Customers	90,452	97,440	93,127		93,127		
13	364.2 Flow Measuring Devices	2,675	2,675	2,675		2,675		
14	365.2 Flow Measuring Installations	-	-	-		-		
15	389.2 Other Plant & Misc. Equipment	-	-	-		-		
16	<b>SYSTEM PUMPING PLANT</b>							
17	353.3 Land & Land Rights	-	-	-		-		
18	354.3 Structures & Improvements	-	-	-		-		
19	370.3 Receiving Wells	875,899	875,899	875,899		875,899		
20	371.3 Pumping Equipment	295,902	332,703	310,672		310,672		
21	389.3 Other Plant & Misc. Equipment	-	-	-		-		
22	<b>TREATMENT AND DISPOSAL PLANT</b>							
23	353.4 Land & Land Rights	375,000	381,000	375,923		375,923		
24	354.4 Structures & Improvements	542,756	673,398	604,685		604,685		
25	355.4 Power Gen Equip	-	-	-		-		
26	380.4 Treatment & Disposal Equipment	4,225,184	4,227,014	4,226,873	3,489,234	7,716,107		
27	381.4 Plant Sewers	28,762	28,762	28,762	85,234	113,996		
28	382.4 Outfall Sewer Lines	-	-	-		-		
29	389.4 Other Plant & Misc. Equipment	44,203	44,203	44,203		44,203		
30	<b>RECLAIMED WATER DISTRIBUTION PLANT</b>							
31	353.5 Land & Land Rights	-	-	-		-		
32	371.5 Pumping Equipment	-	-	-		-		
33	374.5 Reuse Distribution Reservoirs	-	-	-		-		
34	375.6 Reuse Transmission & Distribution	316,298	316,298	316,298		316,298		
35	389.5 Other Plant & Misc Equipment	-	-	-		-		
36	366.6 Reuse Services	-	-	-		-		
37	367.6 Reuse Mtr Installations	-	-	-		-		
38	<b>GENERAL PLANT</b>							
39	353.7 Land & Land Rights	-	-	-		-		
40	354.7 Structures & Improvements	-	-	-		-		
41	390.7 Office Furniture & Equipment	21,596	21,596	21,596		21,596		
42	391.7 Transportation Equipment	94,059	98,560	95,444		95,444		
43	392.7 Stores Equipment	1,862	1,862	1,862		1,862		
44	393.7 Tools, Shop & Garage Equipment	29,393	29,392	29,392		29,392		
45	394.7 Laboratory Equipment	21,191	21,191	21,191		21,191		
46	395.7 Power Operated Equipment	85,826	88,847	87,220		87,220		
47	396.7 Communication Equipment	-	-	-		-		
48	397.7 Miscellaneous Equipment	-	-	-		-		
49	398.7 Other Plant - Allocations	-	-	-		-		
50	Total	\$ 12,172,514	\$ 12,505,980	\$ 12,301,627	\$ 3,574,468	\$ 15,876,095	N/A	N/A

\* Schedule A-3 (A)

Schedule of Wastewater Plant in Service By Primary Account  
 Test Year Average Balance  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Florida Public Service Commission  
 Schedule: A-6  
 Page 2 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Line No.	Account No. and Name	Recap Schedules:													13- Month Average
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
		Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	
1	INTANGIBLE PLANT														
2	351.1 Organization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	352.1 Franchises	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864	92,864
4	389.1 Other Plant & Misc. Equipment														
5	COLLECTION PLANT														
6	353.2 Land & Land Rights														
7	354.2 Structures & Improvements														
8	355.2 Power Gen Equipment	185,629	185,629	185,629	198,482	198,482	198,482	202,726	202,726	203,038	203,038	208,338	208,358	208,358	199,147
9	360.2 Collection Sewers - Force	3,648,542	3,648,542	3,648,542	3,650,040	3,653,837	3,653,980	3,655,362	3,657,682	3,660,199	3,669,709	3,756,053	3,759,813	3,760,680	3,678,691
10	361.2 Collection Sewers - Gravity	1,194,421	1,194,422	1,194,422	1,194,422	1,194,422	1,194,422	1,194,422	1,194,422	1,194,422	1,194,422	1,194,422	1,194,469	1,203,239	1,195,103
11	362.2 Special Collecting Structures														
12	363.2 Services to Customers	90,452	90,452	90,452	90,452	90,452	90,452	90,452	90,452	93,865	93,865	97,440	97,440	97,440	93,127
13	364.2 Flow Measuring Devices	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675	2,675
14	365.2 Flow Measuring Installations														
15	389.2 Other Plant & Misc. Equipment														
16	SYSTEM PUMPING PLANT														
17	353.3 Land & Land Rights														
18	354.3 Structures & Improvements														
19	370.3 Receiving Wells	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899	875,899
20	371.3 Pumping Equipment	295,902	299,477	300,688	300,688	309,641	309,641	309,641	312,688	312,688	312,688	312,688	329,605	332,703	310,672
21	389.3 Other Plant & Misc. Equipment														
22	TREATMENT AND DISPOSAL PLANT														
23	353.4 Land & Land Rights	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	381,000	381,000	375,923
24	354.4 Structures & Improvements	542,756	547,178	554,742	554,742	589,366	610,053	619,253	621,091	624,853	635,958	638,741	648,774	673,398	604,685
25	355.4 Power Gen Equip														
26	380.4 Treatment & Disposal Equipment	4,225,184	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,227,014	4,226,873
27	381.4 Plant Sewers	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762	28,762
28	382.4 Outfall Sewer Lines														
29	389.4 Other Plant & Misc. Equipment	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203	44,203
30	RECLAIMED WATER DISTRIBUTION PLANT														
31	353.5 Land & Land Rights														
32	371.5 Pumping Equipment														
33	374.6 Reuse Distribution Reservoirs														
34	375.6 Reuse Transmission & Distribution	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298	316,298
35	389.5 Other Plant & Misc Equipment														
36	366.6 Reuse Services														
37	367.6 Reuse Mtr Installations														
38	GENERAL PLANT														
39	353.7 Land & Land Rights														
40	354.7 Structures & Improvements														
41	390.7 Office Furniture & Equipment	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596
42	391.7 Transportation Equipment	94,059	94,060	94,060	94,060	94,060	94,060	94,060	94,060	94,060	98,560	98,560	98,560	98,560	95,444
43	392.7 Stores Equipment	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862
44	393.7 Tools, Shop & Garage Equipment	29,393	29,392	29,392	29,392	29,392	29,392	29,392	29,392	29,392	29,392	29,392	29,392	29,392	29,392
45	394.7 Laboratory Equipment	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191	21,191
46	395.7 Power Operated Equipment	85,826	85,825	85,825	85,825	85,825	85,825	85,825	88,847	88,847	88,847	88,847	88,847	88,847	87,220
47	396.7 Communication Equipment														
48	397.7 Miscellaneous Equipment														
49	398.7 Other Plant														
50	Total	\$ 12,172,514	\$ 12,182,341	\$ 12,191,116	\$ 12,205,467	\$ 12,252,841	\$ 12,273,670	\$ 12,288,496	\$ 12,302,136	\$ 12,308,726	\$ 12,337,416	\$ 12,431,843	\$ 12,468,621	\$ 12,505,980	\$ 12,301,627

Non-Used and Useful Plant - Summary - Final

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014

Schedule: A-7  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a summary of the items included in non-used and useful plant for the test year. Provide additional support schedules, if necessary.

Line No.	(1) Description	(2) Average Amount Per Books	(3) Utility Adjustments	(4) Balance Per Utility
1	<b>WATER</b>			
2				
3	Plant in Service		\$	-
4				
5	Land			-
6				
7	Accumulated Depreciation			-
8				
9	Other (Explain)			
10				
11				
12	Total	\$ -	\$ -	N/A
13	<b>WASTEWATER</b>			
14				
15	Plant in Service		\$	-
16				
17	Land			-
18				
19	Accumulated Depreciation			-
20				
21	Other (Explain)			
22				
23				
24	Total	\$ -	\$ -	N/A

Supporting Schedules: A-5, A-6, A-9, A-10  
 Recap Schedules: A-1, A-2

Schedule of Water and Wastewater Accumulated Depreciation  
Annual Balances Subsequent to Last Established Rate Base

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: A-8  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the annual balance of accumulated depreciation, for water and sewer separately, for all years since either rate base was last established by this Commission, or the date of inception of utility service if rate base has not been established previously by this Commission; and yearly additions, retirements, and adjustments by dollar amount up to the end of the test year. Provide an additional page if necessary. If a projected test year is used, include the projected annual additions and/or retirements specifically identifying those amounts.

Line No.	Description	Year-End Balance	
		Water	Wastewater
1	Balance 12/31/2006		\$ 2,905,396
2	Additions		323,852
3	Retirements		(53,448)
4	Adjustments per Docket 070293-SU		(122,388)
			<u>1</u>
5	Balance 12/31/2007		\$ 3,053,413
6	Additions		378,833
7	Retirements		
8	Adjustment - Rounding		<u>1</u>
9	Balance 12/31/2008		\$ 3,432,247
10	Additions		431,498
11	Retirements		
12	Adjustment - Rounding		<u>(1)</u>
13	Balance 12/31/2009		\$ 3,863,744
14	Additions		436,288
15	Retirements		
16	Adjustment - Rounding		
17	Balance 12/31/2010		\$ 4,300,032
18	Additions		435,570
19	Retirements		(900)
20	Adjustment - Rounding		<u>(3)</u>
21	Balance 12/31/2011		\$ 4,734,699
22	Additions		434,723
23	Retirements		
24	Adjustment - Rounding		<u>(2)</u>
25	Balance 12/31/2012		\$ 5,169,420
26	Additions		439,585
27	Retirements		
28	Adjustment - Rounding		<u>(1)</u>
29	Balance 12/31/2013		\$ 5,609,004
30	Additions		446,717
31	Retirements		
32	Adjustment - Rounding		
33	Balance 12/31/2014		\$ 6,055,721

Schedule of Wastewater Accumulated Depreciation By Primary Account

Beginning and End of Year Average

Company: K W Resort Utilities Corp

Docket No.: 150071-SU

Schedule Year Ended: 12/31/2014

Historic [X] Projected [ ]

Florida Public Service Commission

Schedule: A-10

Page 1 of 2

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide month ending balances for each month of the test year and the ending balance for the prior year.

Recap Schedules: A-2, A-8

Line No.	(1) Account No. and Name	(2) Prior Year 12/31/13	(3) Test Year 12/31/14	(4) 13 Month Avg Balance	(5) Adjustments*	(6) Adjusted Average	(7) Non-Used & Useful %	(8) Non-Used & Amount
1	<b>INTANGIBLE PLANT</b>							
2	351.1 Organization	\$ -	\$ -	\$ -		\$ -		
3	352.1 Franchises	33,612	35,934	34,773		34,773		
4	389.1 Other Plant & Misc. Equipment	-	-	-		-		
5	<b>COLLECTION PLANT</b>							
6	353.2 Land & Land Rights	-	-	-		-		
7	354.2 Structures & Improvements	268,732	292,129	279,499		279,499		
8	355.2 Power Gen Equipment	52,126	61,976	56,920	568	57,488		
9	360.2 Collection Sewers - Force	1,768,036	1,891,523	1,829,348	1,869	1,831,217		
10	361.2 Collection Sewers - Gravity	355,726	383,262	369,460	147	369,607		
11	362.2 Special Collecting Structures	-	-	-		-		
12	363.2 Services to Customers	15,195	17,667	16,410	92	16,502		
13	364.2 Flow Measuring Devices	2,452	2,674	2,563		2,563		
14	365.2 Flow Measuring Installations	-	-	-		-		
15	389.2 Other Plant & Misc. Equipment	-	-	-		-		
16	<b>SYSTEM PUMPING PLANT</b>							
17	353.3 Land & Land Rights	-	-	-		-		
18	354.3 Structures & Improvements	-	-	-		-		
19	370.3 Receiving Wells	326,283	355,480	340,881		340,881		
20	371.3 Pumping Equipment	235,831	244,011	239,654	1,156	240,810		
21	389.3 Other Plant & Misc. Equipment	-	-	-		-		
22	<b>TREATMENT AND DISPOSAL PLANT</b>							
23	353.4 Land & Land Rights	-	-	-		-		
24	354.4 Structures & Improvements	-	-	-		-		
25	355.4 Gen Equipment	-	-	-		-		
26	380.4 Treatment & Disposal Equipment	2,284,515	2,485,194	2,384,843	193,897	2,578,740		
27	381.4 Plant Sewers	6,469	7,291	6,880	2,435	9,315		
28	382.4 Outfall Sewer Lines	-	-	-		-		
29	389.4 Other Plant & Misc. Equipment	24,101	24,101	24,101		24,101		
30	<b>RECLAIMED WATER DISTRIBUTION PLANT</b>							
31	371.5 Pumping Equipment	-	-	-		-		
32	374.5 Reuse Distribution Reservoirs	-	-	-		-		
33	375.6 Reuse Transmission & Dist	73,843	81,199	77,521		77,521		
34	389.5 Other Plant & Misc Equipment	-	-	-		-		
35	366.6 Reuse Services	-	-	-		-		
36	367.6 Reuse Mtr Installations	-	-	-		-		
37	<b>GENERAL PLANT</b>							
38	353.7 Land & Land Rights	-	-	-		-		
39	354.7 Structures & Improvements	-	-	-		-		
40	390.7 Office Furniture & Equipment	25,829	22,797	22,654		22,654		
41	391.7 Transportation Equipment	43,340	48,939	46,053	375	46,428		
42	392.7 Stores Equipment	568	671	620		620		
43	393.7 Tools, Shop & Garage Equipment	23,457	25,214	24,336		24,336		
44	394.7 Laboratory Equipment	9,110	10,523	9,816		9,816		
45	395.7 Power Operated Equipment	59,779	65,136	62,429	126	62,555		
46	396.7 Communication Equipment	-	-	-		-		
47	397.7 Miscellaneous Equipment	-	-	-		-		
48	348.7 Other Plant - Allocations	-	-	-		-		
49	Total	\$ 5,609,004	\$ 6,055,721	\$ 5,828,761	\$ 200,666	\$ 6,029,427	N/A	N/A

Schedule of Wastewater Accumulated Depreciation By Primary Account  
 Beginning and End of Year Average  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Florida Public Service Commission  
 Schedule: A-10  
 Page 2 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide month ending balances for each month of the test year and the ending balance for the prior year.

Recap Schedules: A-2, A-8

Line No.	(1) Account No. and Name	(2) Dec-13	(3) Jan-14	(4) Feb-14	(5) Mar-14	(6) Apr-14	(7) May-14	(8) Jun-14	(9) Jul-14	(10) Aug-14	(11) Sep-14	(12) Oct-14	(13) Nov-14	(14) Dec-14	(15) 13- Month Average
1	<b>INTANGIBLE PLANT</b>														
2	351.1 Organization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	352.1 Franchises	33,612	33,806	33,999	34,193	34,386	34,580	34,773	34,967	35,160	35,354	35,547	35,741	35,934	34,773
4	389.1 Other Plant & Misc. Equipment														
5	<b>COLLECTION PLANT</b>														
6	353.2 Land & Land Rights														
7	354.2 Structures & Improvements	268,732	270,345	271,959	273,572	275,186	276,799	278,413	280,026	281,640	283,253	284,866	286,479	288,092	279,999
8	355.2 Power Gen Equipment	52,126	52,899	53,673	54,446	55,220	55,993	56,767	57,540	58,314	59,087	60,239	61,107	61,976	56,920
9	360.2 Collection Sewers - Force	1,768,036	1,778,171	1,788,306	1,798,441	1,808,575	1,818,710	1,828,845	1,839,291	1,849,738	1,860,184	1,870,630	1,881,077	1,891,523	1,829,348
10	361.2 Collection Sewers - Gravity	355,726	358,008	360,291	362,573	364,856	367,138	369,421	371,703	374,034	376,341	378,648	380,955	383,262	369,460
11	362.2 Special Collecting Structures														
12	363.2 Services to Customers	15,195	15,393	15,592	15,790	15,988	16,187	16,385	16,599	16,812	17,026	17,240	17,453	17,667	16,410
13	364.2 Flow Measuring Devices	2,452	2,471	2,489	2,508	2,526	2,545	2,563	2,582	2,600	2,619	2,637	2,656	2,674	2,563
14	365.2 Flow Measuring Installations														
15	389.2 Other Plant & Misc. Equipment														
16	<b>SYSTEM PUMPING PLANT</b>														
17	353.3 Land & Land Rights														
18	354.3 Structures & Improvements														
19	370.3 Receiving Wells	326,283	328,716	331,149	333,582	336,015	338,448	340,881	343,314	345,747	348,180	350,613	353,046	355,480	340,881
20	371.3 Pumping Equipment	235,831	236,416	237,002	237,587	238,172	238,758	239,343	240,121	240,899	241,677	242,455	243,233	244,011	239,654
21	389.3 Other Plant & Misc. Equipment														
22	<b>TREATMENT AND DISPOSAL PLANT</b>														
23	353.4 Land & Land Rights														
24	354.4 Structures & Improvements														
25	355.4 Gen Equipment														
26	371.4 Pumping Equipment														
27	380.4 Treatment & Disposal Equipment	2,284,515	2,301,234	2,317,953	2,334,672	2,351,391	2,368,110	2,384,830	2,401,557	2,418,284	2,435,012	2,451,739	2,468,467	2,485,194	2,384,843
28	381.4 Plant Sewers	6,469	6,538	6,606	6,675	6,743	6,812	6,880	6,949	7,017	7,086	7,154	7,223	7,291	6,880
29	382.4 Outfall Sewer Lines														
30	389.4 Other Plant & Misc. Equipment	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101	24,101
31	<b>RECLAIMED WATER DISTRIBUTION PLANT</b>														
32	371.5 Pumping Equipment														
33	374.6 Reuse Distribution Reservoirs														
34	375.6 Reuse Transmission & Distribution	73,843	74,456	75,069	75,682	76,295	76,908	77,521	78,134	78,747	79,360	79,973	80,586	81,199	77,521
35	389.5 Other Plant & Misc Equipment														
36	366.6 Reuse Services														
37	367.6 Reuse Mtr Installations														
38	<b>GENERAL PLANT</b>														
39	353.7 Land & Land Rights														
40	354.7 Structures & Improvements														
41	390.7 Office Furniture & Equipment	25,829	21,980	22,055	22,129	22,204	22,278	22,353	22,427	22,501	22,576	22,650	22,725	22,797	22,654
42	391.7 Transportation Equipment	43,340	43,775	44,211	44,646	45,081	45,517	45,952	46,450	46,948	47,446	47,943	48,441	48,939	46,053
43	392.7 Stores Equipment	568	577	585	594	602	611	620	628	637	645	654	662	671	620
43	393.7 Tools, Shop & Garage Equipment	23,457	23,604	23,750	23,897	24,043	24,190	24,336	24,483	24,629	24,776	24,922	25,069	25,214	24,336
44	394.7 Laboratory Equipment	9,110	9,228	9,345	9,463	9,581	9,698	9,816	9,934	10,051	10,169	10,287	10,404	10,523	9,816
45	395.7 Power Operated Equipment	59,779	60,215	60,651	61,087	61,523	61,959	62,395	62,852	63,309	63,766	64,223	64,680	65,136	62,429
46	396.7 Communication Equipment														
47	397.7 Miscellaneous Equipment														
48	398.7 Other Plant														
49	Total	\$ 5,609,004	\$ 5,641,933	\$ 5,678,785	\$ 5,715,637	\$ 5,752,488	\$ 5,789,340	\$ 5,826,192	\$ 5,864,447	\$ 5,902,702	\$ 5,940,958	\$ 5,979,213	\$ 6,017,468	\$ 6,055,721	\$ 5,828,761

Schedule of Water and Wastewater Contributions in Aid of Construction  
Annual Balances Subsequent to Last Established Rate Base

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: A-11  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the annual balance of contributions in aid of construction, for water and sewer separately, for all years since either rate base was last established by this Commission, or the date of inception of utility service if rate base has not been established previously by this Commission; and yearly additions, retirements, and adjustments by dollar amount up to the end of the test year. Provide an additional page if necessary. If a projected test year is used, include the projected annual additions and/or retirements specifically identifying those amounts.

Line No.	Description	Year-End Balance	
		Water	Wastewater
1	Balance 12/31/2006		\$ 5,752,701
2	Additions		504,681
3	Adjustments to restate beginning balance		1,762,792
4	Adjustment - Rounding		
5	Balance 12/31/2007		\$ 8,020,174
6	Additions		109,062
7	Adjustment - Rounding		
8	Balance 12/31/2008		\$ 8,129,236
9	Additions		3,500
10	Adjustment - Rounding		(1)
11	Balance 12/31/2009		\$ 8,132,735
12	Additions		
13	Adjustment - Rounding		
14	Balance 12/31/2010		\$ 8,132,735
15	Additions		824,418
16	Adjustment - Rounding		
17	Balance 12/31/2011		\$ 8,957,153
18	Additions		277,554
19	Adjustment - Rounding		
20	Balance 12/31/2012		\$ 9,234,707
21	Additions		263,044
22	Adjustment - Rounding		\$ 1
23	Balance 12/31/2013		\$ 9,497,752
24	Additions		585,256
25	Adjustment - Rounding		
26	Balance 12/31/2014		\$ 10,083,008

Schedule of Contributions in Aid of Construction By Classification  
 Test Year Average Balance

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Schedule: A-12  
 Page 1 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the average CIAC balance by account. If a projected year is employed, provide breakdown for average and projected test year.

Line No.	(1) Description	(2) Prior Year 12/31/13	(3) Test year 12/31/14	(4) 13 Month Average Balance	(5) Adjustments	(6) Adjusted Test Year	(7) Non-Used Useful %	(8) Non-Used Amount
1	<b>WATER</b>							
2								
3	Plant Capacity Fees	\$ -	\$ -	\$ -		\$ -		-
4								
5	Line/Main Extension Fees							-
6								
7	Meters & Meter Installation Fees							-
8								
9	Contributed Property							-
10								
11	Other - Tap Fees							-
12								
13	Total	\$ -	\$ -	\$ -	\$ -	\$ -		-
14								
15								
16	<b>WASTEWATER</b>							
17								
18	Plant Capacity Fees	\$ 707,000	707,000	\$ 707,000		\$ 707,000		-
19								
20	Line/Main Extension Fees	8,790,752	9,376,008	9,239,997		9,239,997		-
21								
22	Contributed Property	-	-	-		-		-
23								
24	Other - Tap Fees	-	-	-		-		-
25								
26								
27	Total	\$ 9,497,752	\$ 10,083,008	\$ 9,946,997	\$ -	\$ 9,946,997		-

Recap Schedules: A-1,A-2,A-11

Schedule of Contributions in Aid of Construction By Classification  
 Test Year Average Balance

Florida Public Service Commission

Schedule: A-12

Page 2 of 2

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the average CIAC balance by account. If a projected year is employed, provide breakdown for average and projected test year.

Line No.	(1) Description	(2) Dec-13	(3) Jan-14	(4) Feb-14	(5) Mar-14	(6) Apr-14	(7) May-14	(8) Jun-14	(9) Jul-14	(10) Aug-14	(11) Sep-14	(12) Oct-14	(13) Nov-14	(14) Dec-14	(15) 13- Month Average
1	<b>WATER</b>														
2															
3	Plant Capacity Fees														-
4															
5	Line/Main Extension Fees														-
6															
7	Meters & Meter Installation Fees														-
8															
9	Contributed Property														-
10															
11	Other - Tap Fees														-
12															
13	<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14															
15															
16	<b>WASTEWATER</b>														
17															
18	Plant Capacity Fees	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000	707,000
19															
20	Line/Main Extension Fees	8,790,752	9,161,192	9,169,292	9,200,936	9,254,936	9,271,636	9,277,630	9,292,169	9,292,169	9,320,969	9,347,969	9,364,308	9,376,008	9,239,997
21															
22	Contributed Property														
23															
24	Other - Tap Fees														
25															
26															
27	<b>Total</b>	\$ 9,497,752	\$ 9,868,192	\$ 9,876,292	\$ 9,907,936	\$ 9,961,936	\$ 9,978,636	\$ 9,984,630	\$ 9,999,169	\$ 9,999,169	\$ 10,027,969	\$ 10,054,969	\$ 10,071,308	\$ 10,083,008	\$ 9,946,997

Recap Schedules: A-1,A-2,A-11

Schedule of Water and Wastewater Accumulated Amortization of CI Florida Public Service Commission  
Annual Balances Subsequent to Last Established Rate Base

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: A-13  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the annual balance of accumulated amortization of CIAC, for water and sewer separately, for all years since either rate base was last established by this Commission, or the date of inception of utility service if rate base has not been established previously by this Commission; and yearly additions and adjustments by dollar amount up to the end of the test year. Provide an additional page if necessary. If a projected test year is used, include the projected additions and/or retirements specifically identifying those amounts.

Line No.	Description	Year-End Balance	
		Water	Wastewater
1	Balance 12/31/2006		\$ 771,574
2	Additions		282,999
3	Adjustments to restate beginning balance		70,923
4	Adjustment - Rounding		
5	Balance 12/31/2007		\$ 1,125,496
6	Additions		285,635
7	Adjustment - Rounding		
8	Balance 12/31/2008		\$ 1,411,131
9	Additions		285,712
10	Adjustment - Rounding		
11	Balance 12/31/2009		\$ 1,696,843
12	Additions		285,712
13	Adjustment - Rounding		
14	Balance 12/31/2010		\$ 1,982,555
15	Additions		313,193
16	Adjustment - Rounding		
17	Balance 12/31/2011		\$ 2,295,748
18	Additions		322,445
19	Adjustment - Rounding		
20	Balance 12/31/2012		\$ 2,618,193
21	Additions		331,213
22	Adjustment - Rounding		
23	Balance 12/31/2013		\$ 2,949,406
24	Additions		350,721
25	Adjustment - Rounding		
26	Balance 12/31/2014		\$ 3,300,127

Schedule of Accumulated Amortization of CIAC  
 Test Year Average Balance - Water and Wastewater

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Schedule: A-14  
 Page 1 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the average CIAC balance by account. If a projected year is employed, provide breakdown for average projected year.

Line No.	(1) Description	(2) Prior Year 12/31/13	(3) Test year 12/31/14	(4) 13 Month Average Balance	(5) Adjustments	(6) Adjusted Test Year	(7) Non-Used Useful %	(8) Non-Used Amount
1	<b>WATER</b>							
2								
3	Plant Capacity Fees	\$ -	-	-	-	-		
4								
5	Line/Main Extension Fees			-		-		
6								
7	Meters & Meter Installation Fees			-		-		
8								
9	Contributed Property			-		-		
10								
11	Other - Tap Fees			-		-		
12								
13								
14	Total	\$ -	\$ -	\$ -	\$ -	\$ -		
15								
16								
17	<b>WASTEWATER</b>							
18								
19	Plant Capacity Fees	\$ 314,222	353,500	309,690		309,690		
20								
21	Line/Main Extension Fees	2,635,184	2,946,627	2,786,404		2,786,404		
22								
23	Contributed Property	-	-	-		-		
24								
25	Other - Tap Fees	-	-	-		-		
26								
27								
28	Total	\$ 2,949,406	\$ 3,300,127	\$ 3,096,094	\$ -	\$ 3,096,094		

Recap Schedules: A-1,A-2,A-13

Schedule of Accumulated Amortization of CIAC  
 Test Year Average Balance - Water and Wastewater

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Schedule: A-14  
 Page 2 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the average CIAC balance by account. If a projected year is employed, provide breakdown for average projected year.

Line No.	(1) Description	(2) Dec-13	(3) Jan-14	(4) Feb-14	(5) Mar-14	(6) Apr-14	(7) May-14	(8) Jun-14	(9) Jul-14	(10) Aug-14	(11) Sep-14	(12) Oct-14	(13) Nov-14	(14) Dec-14	(15) 13- Month Average
1	<b>WATER</b>														
2															
3	Plant Capacity Fees														-
4															
5	Line/Main Extension Fees														-
6															
7	Meters & Meter Installation Fees														-
8															
9	Contributed Property														-
10															
11	Other - Tap Fees														-
12															
13															
14	<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15															
16															
17	<b>WASTEWATER</b>														
18															
19	Plant Capacity Fees	\$ 314,222	\$ 317,495	\$ 320,768	\$ 324,042	\$ 327,315	\$ 330,588	\$ 333,861	\$ 337,134	\$ 340,407	\$ 343,681	\$ 346,954	\$ 350,227	\$ 353,500	309,690
20															
21	Line/Main Extension Fees	2,635,184	2,659,512	2,683,840	2,708,168	2,732,496	2,756,824	2,781,152	2,808,731	2,836,310	2,863,890	2,891,469	2,919,048	2,946,627	2,786,404
22															
23	Contributed Property														
24															
25	Other - Tap Fees														
26															
27															
28	<b>Total</b>	\$ 2,949,406	\$ 2,977,007	\$ 3,004,608	\$ 3,032,209	\$ 3,059,810	\$ 3,087,412	\$ 3,115,013	\$ 3,145,865	\$ 3,176,718	\$ 3,207,570	\$ 3,238,423	\$ 3,269,275	\$ 3,300,127	\$ 3,096,094

Recap Schedules: A-1,A-2,A-13

Schedule of Annual AFUDC Rates Used

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: A-15  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the annual AFUDC rates used since either rate base was last established by this Commission, or the date of inception of utility service if rate base has not been established previously. Include a description of practices and authority of rate(s) used.

Line No.	(1) Description	(2) Approved Rate
1	None	

Schedule of Water and Wastewater Advances For Construction  
Annual Balances Subsequent to Last Established Rate Base

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: A-16  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the annual balance of Advances For Construction, for water and sewer separately, for all years since either rate base was last established by this Commission, or the date of inception of utility service if rate base has not been established previously by this Commission; and yearly additions and adjustments by dollar amount up to the end of the test year. Provide an additional page if necessary. If a projected test year is used, include the projected additions and/or retirements, specifically identifying those amounts. Also provide a brief description of the applicant's policy regarding advances.

Line No.	Description	Average Test Year Balance	
		Water	Wastewater
1	12/31/2006 Balance		\$ 2,616,826
2	2007 Receipts		
3	2007 Payments		
4	2007 Adjustments*		(2,616,826)
5	12/31/2007 Balance	-	-
6	2008 Receipts		
7	2008 Payments		
8	2008 Adjustments		
9	12/31/2008 Balance	-	-
10	2009 Receipts		
11	2009 Payments		
12	2009 Adjustments		
13	12/31/2009 Balance	-	-
14	2010 Receipts		
15	2010 Payments		
16	2010 Adjustments		
17	12/31/2010 Balance	-	-
18	2011 Receipts		
19	2011 Payments		
20	2011 Adjustments		
21	12/31/2011 Balance	-	-
22	2012 Receipts		
23	2012 Payments		
24	2012 Adjustments		
25	12/31/2012 Balance	-	-
26	2013 Receipts		
27	2013 Payments		
28	2013 Adjustments		
29	12/31/2013 Balance	-	-
30	2014 Receipts		
31	2014 Payments		
32	2014 Adjustments		
33	12/31/204 Balance	-	-

\* Adjustment to close out Advances for Construction to CIAC

Recap Schedules: A-1, A-2, A-19

Schedule of Working Capital Allowance Calculation

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Schedule: A-17  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.  
 Recap Schedule: A-1, A-2

Explanation: Provide the calculation of working capital using the Balance Sheet method. The calculation should not include accounts that are reported in other rate base or cost of capital accounts. Unless otherwise explained, this calculation should include both current and deferred debits and credits. All adjustments to the per book accounts shall be explained.

Line No		Water	Sewer
1	<u>Final Rates</u>		
2	Current & Accrued Assets (13 Month Average)		
3	Cash	\$	877,289
4	Accounts Rec less Accum. Provision for Uncoll Accts		54,417
5	Accounts Rec'b - Other		19,234
6	Prepayments		25,334
7	Materials & Supplies		-
8	Misc. Current & Accrued Assets		13,442
9	Other Miscellaneous Deferred Debits -Proforma		467,625
10	One Half Rate Case Exp (instant docket)		62,400
11			
12	Current & Accrued Liabilities (13 Month Average)		
13	Accounts Payable		(87,182)
14	Accrued Taxes		(28,353)
15	Accrued Interest		-
16	Misc. Current & Accrued Liabilities		(36,974)
17			
18	Working Capital (Balance Sheet Method)	\$	\$ 1,367,232
19			
20			
21			
22	<u>Interim Rates</u>		
23	Current & Accrued Assets (13 Month Average)		
24	Cash	\$	877,289
25	Accounts Rec less Accum. Provision for Uncoll Accts		54,417
26	Accounts Rec'b - Other		19,234
27	Prepayments		25,334
28	Materials & Supplies		-
29	Misc. Current & Accrued Assets		13,442
30	Current & Accrued Liabilities(13 Month Average)		
31	Accounts Payable		(87,182)
32	Accrued Taxes		(28,353)
33	Accrued Interest		0
34	Misc. Current & Accrued Liabilities		(36,974)
35	Working Capital (Balance Sheet Method)	\$	\$ 837,207

## Comparative Balance Sheet - Assets

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Schedule: A-18  
 Page 1 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a balance sheet for years requested. Provide same for historical base or intermediate years, if not already shown.

Line No.	(1) ASSETS	(2) Prior Year Ended 12/31/13	(5) Test Year Ended 12/31/14	(6) 13 Month Average
1	Utility Plant in Service	\$ 12,172,514	\$ 12,505,980	\$ 12,301,628
2	Construction Work in Progress	-	-	-
3	Other Utility Plant Adjustments	-	-	-
4				
5	GROSS UTILITY PLANT	12,172,514	12,505,980	12,301,628
6	Less: Accumulated Depreciation	(5,609,004)	(6,055,721)	(5,643,367)
7				
8	NET UTILITY PLANT	6,563,510	6,450,259	6,658,261
9				
10	Cash	431,973	818,918	877,289
11	Accounts Rec'b - trade	57,177	69,073	64,417
12	Notes Receivable	-	-	-
13	Accts. Rec'b - Assoc. Cos.	-	-	-
14	Notes Rec'b - Assoc. Cos.	-	-	-
15	Accts. Rec'b - Other	77,076	24,029	19,234
16	Prepayments	21,515	25,281	25,334
17	Accrued Interest Rec'b	-	-	-
18	Allowance for Bad Debts	(10,000)	(10,000)	(10,000)
19	Materials & Supplies	-	-	-
20	Miscellaneous Current & Accrued Assets	15,573	13,125	13,442
21	Investment in Associated Companies	603,012	-	556,626
22	TOTAL CURRENT ASSETS	1,196,326	940,426	1,546,342
23				
24	Net Nonutility Property	-	-	-
25	Unamortized Debt Discount & Exp.	-	-	-
26	Prelim. Survey & Investigation Charges	-	32,590	12,099
27	Clearing Accounts	-	-	-
28	Deferred Rate Case Expense	-	92,745	39,611
29	Other Miscellaneous Deferred Debits	-	-	-
30	Accum. Deferred Income Taxes	-	-	-
31	TOTAL OTHER ASSETS	-	125,334	51,710
32				
33	TOTAL ASSETS	\$ 7,759,836	\$ 7,516,020	\$ 8,256,313

Comparative Balance Sheet - Assets

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Florida Public Service Commission

Schedule: A-18  
 Page 2 of 2  
 Preparer: Millian, Swain & Associates, Inc.

Explanation: Provide a balance sheet for years requested. Provide same for historical base or intermediate years, if not already shown.

Line No.	(1) ASSETS	(2) Dec-13	(3) Adjustments	(4) Adjusted Dec-13	(5) Jan-14	(6) Feb-14	(7) Mar-14	(8) Apr-14	(9) May-14	(10) Jun-14	(11) Jul-14	(12) Aug-14	(13) Sep-14	(14) Oct-14	(15) Nov-14	(16) Dec-14	(17) 13- Month Average
1	Utility Plant in Service	12,172,514		12,172,514	12,182,341	12,191,116	12,205,467	12,252,841	12,273,670	12,288,496	12,302,136	12,308,726	12,337,416	12,431,843	12,468,621	12,505,980	12,301,628
2	Construction Work in Progress																-
3	Other Utility Plant Adjustments																-
4																	-
5	GROSS UTILITY PLANT	12,172,514	-	12,172,514	12,182,341	12,191,116	12,205,467	12,252,841	12,273,670	12,288,496	12,302,136	12,308,726	12,337,416	12,431,843	12,468,621	12,505,980	12,301,628
6	Less: Accumulated Depreciation	(5,609,004)		(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(5,609,004)	(6,055,721)	(5,643,367)
7																	
8	NET UTILITY PLANT	6,563,510	-	6,563,510	6,573,337	6,582,112	6,596,463	6,643,837	6,664,666	6,679,492	6,693,132	6,699,722	6,728,412	6,822,839	6,859,617	6,450,259	6,658,261
9																	
10	Cash	431,973		431,973	859,945	917,307	936,244	983,853	960,402	953,659	899,136	939,884	925,556	877,289	900,597	818,918	877,289
11	Accounts Rec'b - trade	57,177		57,177	74,684	66,929	71,557	48,638	46,707	50,391	71,578	64,644	62,712	88,920	64,409	69,073	64,417
12	Notes Receivable																-
13	Accts. Rec'b - Assoc. Cos.																-
14	Notes Rec'b - Assoc. Cos.																-
15	Accts. Rec'b - Other	77,076		77,076	35,148	11,495	15,173	10,696	10,616	11,672	9,736	12,448	11,313	10,437	10,203	24,029	19,234
16	Prepayments	21,515		21,515	21,640	24,224	23,760	23,296	23,601	23,137	20,353	24,133	32,513	32,357	33,537	25,281	25,334
17	Accrued Interest Rec'b																-
18	Allowance for Bad Debts	(10,000)		(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
19	Materials & Supplies																-
20	Miscellaneous Current & Accrued Assets	15,573		15,573	14,800	13,125	13,125	13,125	13,125	13,125	13,125	13,125	13,125	13,125	13,125	13,125	13,442
21	Investment in Associated Companies	603,012		603,012	603,012	603,012	603,012	603,012	603,012	603,012	603,012	603,012	603,012	603,012	603,012	603,012	556,626
22	TOTAL CURRENT ASSETS	1,196,326	-	1,196,326	1,599,229	1,626,091	1,652,871	1,672,621	1,647,463	1,644,995	1,606,940	1,647,245	1,638,231	1,615,140	1,614,883	940,426	1,546,342
23																	
24	Net Nonutility Property																-
25	Unamortized Debt Discount & Exp.	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Prelim. Survey & Investigation Charges	-		-	-	-	-	-	-	19,500	19,500	19,705	18,705	23,628	23,658	32,590	12,099
27	Clearing Accounts																-
28	Deferred Rate Case Expense	-		-	-	1,668	6,744	33,150	40,547	42,022	44,034	46,492	56,872	61,934	88,740	92,745	39,611
29	Other Miscellaneous Deferred Debits																-
30	Accum. Deferred Income Taxes																-
31	TOTAL OTHER ASSETS	-	-	-	-	1,668	6,744	33,150	40,547	61,522	63,534	66,197	75,577	85,562	112,398	125,334	51,710
32																	
33	TOTAL ASSETS	\$ 7,759,836	\$ -	\$ 7,759,836	\$ 8,172,566	\$ 8,209,871	\$ 8,256,078	\$ 8,349,608	\$ 8,352,676	\$ 8,386,010	\$ 8,363,606	\$ 8,413,165	\$ 8,442,220	\$ 8,523,541	\$ 8,586,897	\$ 7,516,020	\$ 8,256,313

Comparative Balance Sheet - Equity Capital & Liabilities

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Schedule: A-19  
 Page 1 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a balance sheet for years requested. Provide same for historical base or intermediate years, if not already shown.

Line No.	(1) EQUITY CAPITAL & LIABILITIES	(2) Prior Year Ended 12/31/13	(3) Test Year Ended 12/31/14	(4) 13 Month Average
1	Common Stock Issued	\$ 1,000	\$ 1,000	\$ 1,000
2	Preferred Stock Issued	-	-	-
3	Additional Paid in Capital	797,142	258,302	755,692
4	Retained Earnings	(1,175,003)	(1,040,798)	(1,033,229)
5	Other Equity Capital	-	-	-
7	<b>TOTAL EQUITY CAPITAL</b>	<b>(376,862)</b>	<b>(781,496)</b>	<b>(276,537)</b>
9	Bonds	-	-	-
10	Plant Expansion Debt	-	-	-
11	Advances From Associated Companies	852,903	852,903	852,903
12	Other Long-Term Debt	417,054	373,571	395,434
14	<b>TOTAL LONG-TERM DEBT</b>	<b>1,269,957</b>	<b>1,226,475</b>	<b>1,248,337</b>
16	Accounts Payable	93,133	44,945	87,182
17	Notes Payable	-	-	-
18	Notes & Accounts Payable - Assoc. Cos.	-	-	-
19	Customer Deposits	157,307	169,866	162,972
20	Accrued Taxes	35,341	36,672	28,353
21	Current Portion Long Term Debt	-	-	-
22	Accrued Interest	-	-	-
23	Accrued Dividends	-	-	-
24	Misc. Current and Accrued Liabilities	32,614	36,677	36,974
26	<b>TOTAL CURRENT &amp; ACCRUED LIABILITIES</b>	<b>318,395</b>	<b>288,160</b>	<b>315,481</b>
28	Advances for Construction	-	-	-
29	Prepaid Capacity Charges	-	-	-
30	Accum. Deferred ITC's	-	-	-
31	Operating Reserves	-	-	-
33	<b>TOTAL DEFERRED CREDITS &amp; OPER. RESERVES</b>	<b>-</b>	<b>-</b>	<b>-</b>
35	Contributions in Aid of Construction	9,497,752	10,083,009	9,945,418
36	Less: Accum. Amortization of CIAC	(2,949,406)	(3,300,127)	(2,976,385)
38	Accumulated Deferred Income Taxes	-	-	-
40	<b>Total Equity Capital and Liabilities</b>	<b>\$ 7,759,836</b>	<b>\$ 7,516,020</b>	<b>\$ 8,256,313</b>

Comparative Balance Sheet - Equity Capital & Liabilities

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Schedule: A-19  
 Page 2 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a balance sheet for years requested. Provide same for historical base or intermediate years, if not already shown.

Line No.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	EQUITY CAPITAL & LIABILITIES	Dec-13	Adjustments	Adjusted Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	13- Month Average
1	Common Stock Issued	\$ 1,000		\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
2	Preferred Stock Issued																
3	Additional Paid in Capital	797,142		797,142	797,142	797,142	797,142	797,142	797,142	797,142	797,142	797,142	797,142	797,142	797,142	258,302	755,692
4	Retained Earnings	(1,175,003)		(1,175,003)	(1,081,426)	(1,076,509)	(1,068,086)	(1,046,351)	(1,036,707)	(1,027,017)	(1,016,692)	(990,911)	(980,030)	(953,808)	(938,638)	(1,040,798)	(1,033,229)
5	Other Equity Capital																
7	TOTAL EQUITY CAPITAL	(376,862)	-	(376,862)	(283,284)	(278,367)	(269,945)	(248,209)	(238,566)	(228,875)	(218,550)	(192,770)	(181,888)	(155,666)	(140,496)	(781,496)	(276,537)
9	Bonds																
10	Reacquired Bonds																
11	Advances From Associated Companies	852,903		852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903	852,903
12	Other Long-Term Debt	417,054		417,054	413,527	409,963	406,275	402,710	399,088	395,499	391,853	388,207	384,612	380,998	377,278	373,571	395,434
14	TOTAL LONG-TERM DEBT	1,269,957	-	1,269,957	1,266,430	1,262,867	1,259,178	1,255,613	1,251,991	1,248,402	1,244,756	1,241,111	1,237,515	1,233,901	1,230,181	1,226,475	1,248,337
16	Accounts Payable	93,133		93,133	68,571	92,434	91,443	103,813	71,979	90,247	81,175	90,734	76,463	101,208	127,224	44,945	87,182
17	Notes Payable																
18	Notes & Accounts Payable - Assoc. Cos.																
19	Customer Deposits	157,307		157,307	157,977	159,286	159,687	161,200	163,067	162,711	164,058	164,012	165,784	166,625	167,055	169,866	162,972
20	Accrued Taxes	35,341		35,341	9,532	16,122	22,712	29,302	35,892	44,780	17,655	23,338	30,311	37,284	29,653	36,672	28,353
21	Current Portion Long Term Debt																
22	Accrued Interest																
23	Accrued Dividends																
24	Misc. Current and Accrued Liabilities	32,614		32,614	34,555	30,644	34,473	35,360	39,084	39,517	39,289	36,977	35,473	34,626	51,377	36,677	36,974
26	TOTAL CURRENT & ACCRUED LIABILITIES	318,395	-	318,395	270,635	298,486	308,315	329,674	310,021	337,254	302,176	315,061	308,030	339,743	375,309	288,160	315,481
28	Advances for Construction																
29	Prepaid Capacity Charges																
30	Accum. Deferred ITC's																
31	Operating Reserves																
33	TOTAL DEFERRED CREDITS & OPER. RESERVES																
35	Contributions in Aid of Construction	9,497,752		9,497,752	9,868,192	9,876,292	9,907,936	9,961,936	9,978,636	9,978,636	9,984,630	9,999,169	10,027,969	10,054,969	10,071,309	10,083,009	9,945,418
36	Less: Accum. Amortization of CIAC	(2,949,406)		(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(2,949,406)	(3,300,127)	(2,976,385)
38	Accumulated Deferred Income Taxes																
40	TOTAL EQUITY CAPITAL & LIABILITIES	\$ 7,759,836	\$ -	\$ 7,759,836	\$ 8,172,566	\$ 8,209,871	\$ 8,256,078	\$ 8,349,608	\$ 8,352,676	\$ 8,386,010	\$ 8,363,606	\$ 8,413,165	\$ 8,442,220	\$ 8,523,541	\$ 8,586,897	\$ 7,516,020	\$ 8,256,313

NET OPERATING INCOME

Schedule of Wastewater Net Operating Income

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Interim [ ] Final [X]  
 Historic [X] Projected [ ]

Schedule: B-2  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the calculation of net operating income for the test year. If amortization (Line 4) is related to any amount other than an acquisition adjustment, submit an additional schedule showing a description and calculation of charge.

Line No.	(1) Description	(2) Balance Per Books	(3) Utility Test Year Adjustments	(4) Utility Adjusted Test Year	(5) Requested Revenue Adjustment	(6) Requested Annual Revenues	(7) Supporting Schedule(s)
1	OPERATING REVENUES	\$ 1,479,307	\$ 14,070 (A)	\$ 1,493,377	\$ 1,438,382 (A)	\$ 2,931,759	B-4, B-3
2							
3	Operation & Maintenance	1,199,672	840,042 (B)	2,039,714		2,039,714	B-6, B-3
4	Depreciation, net of CIAC Amort.	95,996	200,666 (C)	296,662		296,662	B-14, B-3
5							
6	Amortization			-		-	
7							
8	Taxes Other Than Income	132,607	50,246 (D)	182,853	63,054 (D)	245,907	B-15, B-3
9							
10	Provision for Income Taxes			-		-	C-1, B-3
11							
12	OPERATING EXPENSES	1,428,275	1,090,954	2,519,229	63,054	2,582,283	
13							
14	NET OPERATING INCOME	\$ 51,032	\$ (1,076,884)	\$ (1,025,852)	\$ 1,375,328	\$ 349,476	
15							
16							
17							
18	RATE BASE	\$ (378,037)	\$ 4,741,034	\$ 4,362,997		\$ 4,362,997	
19							
20							
21	RATE OF RETURN		%	--	%	8.01%	

Schedule of Adjustments to Operating Income  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Interim [ ] Final [X]  
 Historic [X] Projected [ ]

Florida Public Service Commission  
 Schedule: B-3

Page 1 of 2  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a detailed description of all adjustments to operating income per books, with a total for each line item shown on the net operating income statement.

Line No.	Description	Water	Wastewater
1	<b>(A) Adjustments to Revenues</b>		
2	<b>(1) Annualized Revenue</b>		
3	Annualized water/sewer revenues per Schedule E-2		\$1,493,377
4	Test Year water/sewer revenues per Schedule E-2		1,479,307
5	Adjustment required	\$ -	\$ 14,070
6			
7	<b>(2) Revenue Increase</b>		
8	Increase in revenue required by the Utility to realize a		1,438,382
9	8.01% % rate of return	\$ -	\$ 1,438,382
10			
11	<b>Total Adjustments to Revenues</b>	\$ -	\$ 1,452,452
12			
13	<b>(B) Adjustments to Operations &amp; Maintenance Expenses</b>		
14	<b>(1) Test Year Adjustments to Operations &amp; Maintenance Expenses</b>		
15	(a) Adjustment to reclass Officers Salaries		
16	701 Salaries and Wages - Employees	\$	(81,164)
17	703 Salaries and Wages - Officers		81,164
18	(b) Additional accounting services		
19	732 Contract Services - Acctg		12,350
20	(c) To reclass expenses coded to Deferred Rate Case Exp in error		
21	731 Contractual Services - Engr.		2,805
22	732 Contract Services - Acctg		1,862
23	733 Contractual Services - Legal		1,609
24	736 Outside Services - Other		8,488
25	(d) Adjustment to amortize Other Deferred Expenses		
26	To amortize expenses incurred to restate 2007-2012 Annual Reports		11,678
27			
28	<b>Total Test Year Adjustments to Operations &amp; Maintenance Expenses</b>	\$ -	\$ 38,792
29			
30	<b>(2) Pro Forma Adjustments to Operations &amp; Maintenance Expenses</b>		
31	(a) Increase due to changes in operations due to upgrade to AWT standards		
32	701 Salary & Wages		155,996
33	704 Employee Pension & Benefits		42,762
34	711 Sludge Disposal		109,334
35	715 Purchased Power		42,900
36	718 Chemicals		224,741
37	720 Materials & Supplies		60
38	731 Contractual Services - Engineer		4,730
39	735 Contractual Services - Testing		20,673
40	736 Contractual Services - Other		28,557
41	757 Insurance - General Liab		2,752
42	758 Work Comp Insurance		25,555
43	760 Advertising		(1,564)
44	775 Miscellaneous Expense		9,638
45			
46	(b) Adjustment to amortize Other Deferred Expenses		
47	775 Misc. Expense - Legal fees for permitting defense v. Last Stand		103,917
48			
49	<b>Total pro forma adjustments to O &amp; M Expense</b>	\$ -	\$ 770,051
50			
51	<b>(3) Amortization of rate case expense per Schedule B-10</b>	\$ -	\$ 31,200
52			
53	<b>Total Adjustment required to O&amp;M Expenses</b>	\$ -	\$ 840,042

Schedule of Adjustments to Operating Income  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Interim [ ] Final [X]  
 Historic [X] Projected [ ]

Florida Public Service Commission  
 Schedule: B-3

Page 2 of 2  
 Preparer: Millian, Swain & Associates, Inc.

Explanation: Provide a detailed description of all adjustments to operating income per books, with a total for each line item shown on the net operating income statement.

1	(C) Adjustments to Depreciation Expense		
2			
3	<u>(1) Annualize depreciation expense for plant additions during TY</u>		
4	355.2 Power Gen Equipment		568
5	360.2 Sewer Collection - Force		1,869
6	361.2 Sewer Collection Gravity		147
7	363.2 Services to Customers		92
8	371.3 Pumping Equipment		1,156
9	380.4 Treatment & Disposal Equipment		51
10	391.7 Transportation Equipment		375
11	395.7 Power Operated Equipment		126
12	Total Adjustment to Depreciation Expense	-	4,384
13			
14	<u>(2) Depreciation expense related to Pro Forma plant additions</u>		
15	380.4 Treatment & Disposal Equipment		193,846
16	381.4 Plant Sewers		2,435
17			
18	Total Depr Expense - Pro Forma Plant additions	\$ -	\$ 196,282
19			
20	Total Adjustment to Depreciation Exp, Net of Amortization	\$ -	\$ 200,666
21	(D) Adjustments to Taxes Other Than Income		
22			
23	(1) Adjust Payroll Taxes for pro forma salary increase	\$	13,526
24			
25	(2) To adjust test year RAF's for annualized revenues	\$	14,070
26	RAF rate		0.045
27	RAF Adjustment Required for Annualized Revenues	\$ -	\$ 633
28			
29	(3) Total Net Plant Additions	\$	3,378,186
30	Millage rate		10.5667
31	Total increase in ad valorem taxes	\$ -	\$ 35,696
32			
33	(4) To adjust property tax paid	\$	391
34			
35	Sub-Total Adjustments to TOTI	\$ -	\$ 50,246
36			
37	<u>(5) To adjust RAF's for requested revenues</u>		
38	(a) Total RAF Adjustments due to Requested Increase	\$	63,054
39			
40	Total Adjustment Taxes Other Than Income	\$ -	\$ 113,300

Test Year Operating Revenues

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Schedule: B-4  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.  
 Recap Schedules: B-1,B-2

Explanation: Complete the following revenue schedule for the historical test year or base year. If general service revenues is not accounted for by sub-account, then show the total amount under metered-or measured-commercial and provide an explanation.

Line No.	WATER SALES		(1)	SEWER SALES		(2)
	Account No. and Description		Total Water	Account No. and Description		Total Wastewater
1	460	Unmetered Water Revenue		521.1	Flat Rate - Residential	
2	461	Water Revenues Accruals		521	Sewer Revenue Accruals	
3	461.1	Metered - Residential		521.2	Flat Rate - Commercial	
4	461.2	Metered - Commercial		521.3	Flat Rate - Industrial	
5	461.3	Metered - Industrial		521.4	Flat Rate - Public Authorities	
6	461.4	Metered - Public Authorities		521.5	Flat Rate - Multi-Family	
7	461.5	Metered - Multi-Family		521.6	Flat Rate - Other	
8	461.6	Other Revenues		522.1	Measured - Residential	615,915
9	462.2	Private Fire Protection		522.2	Measured - Commercial	804,874
10	464	Other Sales - Public Authorities		522.3	Measured - Industrial	
11	465	Irrigation Customers		522.4	Measured - Public Authority	
12	466	Sales for Resale		522.5	Measured - Multi-Family	
13	467	Interdepartmental Sales		523	Other Sales - Public Authorities	
14				524	Revenues from Other Systems	
15		TOTAL WATER SALES	0	525	Interdepartmental Sales	
16						
17		OTHER WATER REVENUES			TOTAL SEWER SALES	1,420,789
18	470	Forfeited Discounts				
19	471	Misc. Service Revenues			OTHER SEWER REVENUES	
20	472	Rents From Water Property		530	Guaranteed Revenues	
21	473	Interdepartmental Rents		531	Sale of Sludge	
22	474	Other Water Revenues		532	Forfeited Discounts	
23				534	Rents From Sewer Property	2,100
24				535	Interdepartmental Rents	
25				571	Misc. Service Revenues	
26				536	Other Sewer Revenues	8,620
27				540.1	Flat Rate Re-Use Residential	
28		TOTAL OTHER WATER REVENUES	0	541	Measured Re-Use Revenues	47,798
29						
30					TOTAL OTHER SEWER REVENUES	58,518
31		TOTAL WATER OPERATING REVENUES	\$ -			
32						
33						
34					TOTAL SEWER OPERATING REVENUES	\$ 1,479,307
35						

Detail of Operation & Maintenance Expenses By Month - Wastewater

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Explanation: Provide a schedule of operation and maintenance expenses by primary account for each month of the test year. If schedule has to be continued on 2nd page, reprint the account titles and numbers.

Schedule: B-6  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.  
 Recap Schedules: B-2

Line No.	(1) Account No. and Name	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total Annual	Adj.	Adj. Total Annual
1	701 Salaries & Wages - Employees	\$ 39,250	\$ 39,017	\$ 35,103	\$ 35,213	\$ 36,187	\$ 40,760	\$ 38,895	\$ 38,003	\$ 38,849	\$ 35,323	\$ 35,810	\$ 36,699	\$ 449,108	\$ 74,832	\$ 523,940
2	703 Salaries & Wages - Officers, Etc.	11,816	11,816	11,816	11,816	11,816	11,816	11,816	11,816	11,816	11,816	11,816	11,816	141,792	81,164	222,956
3	704 Employee Pensions & Benefits	8,165	7,736	9,319	7,147	7,671	8,220	7,826	7,369	7,211	6,919	6,565	8,677	92,825	42,762	135,587
4	710 Purchased Sewage Treatment															
5	711 Sludge Removal Expense	2,798	5,530	7,680	-	9,607	1,947	120	-	3,016	3,044	2,880	2,772	39,394	109,334	148,728
6	715 Purchased Power	12,614	12,061	12,452	12,760	12,716	12,472	11,830	11,812	12,529	11,323	12,405	11,738	146,711	42,900	189,611
7	716 Fuel for Power Purchased															
8	718 Chemicals	3,598	1,300	-	5,270	33	1,717	5,038	1,972	2,385	3,612	2,595	4,811	32,330	224,741	257,071
9	720 Materials & Supplies	3,184	1,858	3,395	1,746	3,915	5,526	3,231	4,669	4,086	4,053	2,941	5,280	43,885	60	43,945
10	731 Contractual Services - Engr.	3,745	2,491	-	-	218	109	218	-	95	-	395	-	7,270	7,535	14,805
11	732 Contractual Services - Acct.	525	525	525	525	525	525	2,525	525	2,275	525	1,150	1,400	11,550	14,212	25,762
12	733 Contractual Services - Legal	528	74	441	-	-	-	845	257	-	-	184	-	2,328	1,609	3,937
13	734 Contractual Services - Mgmt. Fees	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	60,000	60,000	60,000
14	735 Contractual Services - Testing	2,135	1,000	1,763	-	1,872	2,112	1,449	1,000	1,749	1,462	1,078	1,356	16,975	20,673	37,648
15	736 Contractual Services - Other	260	6,686	2,896	2,793	1,635	1,880	952	3,243	1,910	1,731	1,302	3,124	28,410	37,045	65,455
16	741 Rental of Building/Real Prop.	-	-	-	-	1,000	-	-	-	-	-	-	100	1,100	-	1,100
17	742 Rental of Equipment															
18	750 Transportation Expenses	1,395	1,286	1,781	2,295	2,213	2,210	785	1,333	2,661	1,522	3,400	3,228	24,109	-	24,109
19	756 Insurance - Vehicle															
20	757 Insurance - General Liability	2,830	2,784	2,830	2,784	2,830	2,784	2,830	2,784	2,784	2,784	2,877	5,049	35,948	2,752	38,700
21	758 Insurance - Workman's Comp.	1,777	1,769	1,635	1,646	1,610	1,854	1,794	1,766	1,798	1,669	1,694	1,717	20,729	25,555	46,284
22	759 Insurance - Other															
23	760 Advertising Expense						393	883	1,253	-	27	-	208	2,764	(1,564)	1,200
24	766 Reg. Comm. Exp. - Rate Case Amort.														31,200	31,200
25	767 Reg. Comm. Exp. - Other															
26	770 Bad Debt Expense															
27	775 Miscellaneous Expenses	3,007	4,147	2,554	3,329	2,762	4,111	4,348	3,209	3,153	3,321	5,414	3,089	42,443	125,232	167,675
28																
29	TOTAL	\$ 102,625	\$ 105,078	\$ 99,189	\$ 92,324	\$ 101,610	\$ 103,434	\$ 100,384	\$ 96,011	\$ 101,317	\$ 94,131	\$ 97,505	\$ 106,065	\$ 1,199,672	\$ 840,042	\$ 2,039,714

Operation & Maintenance Expense Comparison - Wastewater

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014

Schedule: B-8  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Complete the following comparison of the applicant's current and prior test year O&M expenses before this Commission. Provide an explanation of all differences which are not attributable to the change in customer growth and the CPI-U. If the applicant has not had a previous rate case, use the year 5 years prior to the test year for comparison. Provide an additional schedule, if necessary, to explain differences.

Line No.	(1) Account No. and Name	(2) Prior TY 12/31/06	(3) Current TY 12/31/14	(4) TY Adj.'s per B-3	(5) Adjusted TY	(6) \$ Difference	(7) % Difference	(8) Explanation
1	701 Salaries & Wages - Employees		\$ 449,108	\$ 74,832	\$ 523,940	\$ 523,940	100.00 %	Replaced contractual services with full time employees
2	703 Salaries & Wages - Officers, Etc.		141,792	81,164	222,956	222,956	100.00 %	Replaced contractual services with full time employees
3	704 Employee Pensions & Benefits		92,825	42,762	135,587	135,587	100.00 %	Replaced contractual services with full time employees
4	710 Purchased Sewage Treatment		-	-	-	-	- %	
5	711 Sludge Removal Expense	26,377	39,394	109,334	148,728	122,351	463.86 %	Increase in expenses as a result of changes in operations as a consequence of having to upgrade the WWTP to AWT standards.
6	715 Purchased Power	187,800	146,711	42,900	189,611	1,811	0.96 %	
7	716 Fuel for Power Purchased	523	-	-	-	-	- %	
8	718 Chemicals	137,761	32,330	224,741	257,071	119,310	86.61 %	Increase in expenses as a result of changes in operations as a consequence of having to upgrade the WWTP to AWT standards.
9	720 Materials & Supplies	77,393	43,885	60	43,945	(33,448)	(43.22) %	Increase in expenses as a result of changes in operations as a consequence of having to upgrade the WWTP to AWT standards.
10	731 Contractual Services - Engr.	65,289	7,270	7,535	14,805	(50,484)	(77.32) %	Replaced contractual services with full time employees
11	732 Contractual Services - Acct.	9,569	11,550	14,212	25,762	16,193	169.22 %	Replaced contractual services with full time employees
12	733 Contractual Services - Legal	15,103	2,328	1,609	3,937	(11,166)	(73.93) %	Replaced contractual services with full time employees
13	734 Contractual Services - Mgmt. Fees	30,000	60,000	-	60,000	30,000	100.00 %	
14	735 Contractual Services - Testing	-	16,975	20,673	37,648	37,648	100.00 %	Replaced contractual services with full time employees
15	736 Contractual Services - Other	348,344	28,410	37,045	65,455	(282,889)	(81.21) %	Replaced contractual services with full time employees
16	741 Rental of Building/Real Prop.	-	1,100	-	1,100	-	- %	
17	742 Rental of Equipment	-	-	-	-	-	- %	
18	750 Transportation Expenses	-	24,109	-	24,109	24,109	100.00 %	Utility owned vehicles instead of contractual services
19	756 Insurance - Vehicle	-	-	-	-	-	- %	
20	757 Insurance - General Liability	24,646	35,948	2,752	38,700	14,054	57.02 %	Increase in expenses as a result of changes in operations as a consequence of having to upgrade the WWTP to AWT standards.
21	758 Insurance - Workman's Comp.	-	20,729	25,555	46,284	46,284	100.00 %	Replaced contractual services with full time employees
22	759 Insurance - Other	-	-	-	-	-	- %	
23	760 Advertising Expense	1,075	2,764	(1,564)	1,200	125	11.59 %	
24	766 Reg. Comm. Exp. - Rate Case Amort.	116,654	-	31,200	31,200	(85,454)	(73.25) %	Adjustment needed to include 1/4 Rate Case Expense
25	767 Reg. Comm. Exp. - Other	-	-	-	-	-	- %	
26	770 Bad Debt Expense	-	-	-	-	-	- %	
27	775 Miscellaneous Expenses	18,677	42,443	125,232	167,675	148,998	798 %	Increase in expenses as a result of changes in operations as a consequence of having to upgrade the WWTP to AWT standards.
28								
29	TOTAL	\$ 1,059,211	\$ 1,199,672	\$ 840,042	\$ 2,039,714	\$ 979,926	92.51 %	
30								
31	Total Customers (ERC's)	1,983.0			4,039.0	2,056	103.68 %	
32	Consumer Price Index - U	201.600			236.736	35.14	17.43 %	
33								
34	Benchmark Index: Increase in Customer ERC's					2.0368		
35	Increase in CPI					1.1743		
36						2.3918		

Contractual Services

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Schedule: B-9  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a complete list of outside services which were incurred during the test year. List by type of service, such as accounting, engineering or legal, and provide specific detail of work performed by each consultant and the associated cost breakdown by items. Provide amounts separated by system and method of allocation if appropriate. Specific detail is not necessary for charges which are less than 2% of the test year revenues for that system. Do not include rate case expense charges.

(1) Line No.	(2) Type of Service	(3) Consultants	(4) Amount	(5) Description of Work Performed
1	Engineering	Weller Engineering	\$ 10,075	Engineering
2	Accounting	Jeffrey E Allen, CPA	13,162	Accounting services
3	Legal	Smith / Oropeza, P.L.	23,530	Legal services
4	Management	Green Fairways	60,000	Management
5	Testing	US Water	12,900	Lab Services
6	Professional Services	Milian, Swain & Associates, Inc.	66,875	Annual Report preparation; CIAC restatement; accumulated depreciation recalculation

Analysis of Rate Case Expense

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014

Schedule: B-10  
 Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the total amount of rate case expense requested in the application. State whether the total includes the amount up to proposed agency action or through a hearing before the Commission. Provide a list of each firm providing services for the applicant, the individuals for each firm assisting in the application, including each individual's hourly rate, and an estimate of the total charges to be incurred by each firm, as well as a description of the type of services provided. Also provide the additional information for amortization and allocation method, including support behind this determination.

(1)	(2)	(3)	(4)	(5)	(6)	
Line No.	Firm or Vendor Name	Counsel, Consultant or Witness	Hourly Rate Per Person	Hours	Total Estimate of Charges by Firm	Type of Service Rendered
1	Milian, Swain & Associates	Deborah Swain	\$ 200.00	75	15,000	MFRs, data requests, audit facilitation
2	Milian, Swain & Associates	Cynthia Yapp	150.00	220	33,000	MFRs, data requests, audit facilitation
3	Friedman & Friedman, P.A.	Martin Friedman	360.00	155	55,800	Legal Fees
4	Friedman & Friedman, P.A.	n/a			3,500	Various Expenses (travel, photocopies, phone calls) associated with legal fees
5	M&R Consultants	Frank Seidman	125.00	64	8,000	U&UAnalysis, Assist w/ MFRs, data requests, audit facilitation
6	Public Service Commission				4,500	Filing Fee
7	K W Resort Utilities Corp				5,000	Printing and shipping Expenses
8						
9	Estimate Through				<u>\$ 124,800</u>	
10						
11						
12	[x] PAA					
13	[ ] Commission Hearing					
14						
15	Amortization Period 4 Years					
16	Explanation if different from Section 367.0816, Florida					
17						
18	Amortization of Rate Case Expense:					
19						
20			(A)	(B)	(C)	
21			Water	Wastewater	Total	
22	Prior unamortized rate case expenses					
23	Current rate case expense			124,800	124,800	
24	Total projected rate case expense			- 124,800	124,800	
25	Annual Amortization			\$ - \$ 31,200	\$ 31,200	

Analysis of Major Maintenance Projects - Water & Sewer  
For the Test Year and 2 Years Prior and 1 Year Subsequent

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: B-11  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide an analysis of all maintenance projects greater than 2% of test year revenues per system which occurred during the 2 years prior to the test year, the test year, and the budgeted amount for 1 year subsequent to the test year. For each project, provide a description, the total cost or budgeted amount and how often the project should be repeated.

Line No.	Description	Period	Budget Amount	Term of Amort.	Test Year Amortization
1	None				

Allocation of Expenses

Florida Public Service Commission

Company: K W Resort Utilities Corp

Docket No.: 150071-SU

Test Year Ended: 12/31/2014

Interim  Final

Historical  Projected

Explanation: Provide a schedule detailing expenses which are subject to allocation between systems (water, sewer & gas, etc.) showing allocation percentages, gross amounts, amounts allocated, and a detailed description. Provide a description of all systems other than water and sewer.

Schedule B-12

Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
-----	-----	-----	-----	-----	-----	-----	-----	-----

N/A

Net Depreciation Expense - Wastewater  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Historic [X] Projected [ ]

Florida Public Service Commission  
 Schedule: B-14  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.  
 Recap Schedules: B-2

Explanation: Provide a schedule of test year non-used and useful depreciation expense by primary account

Line No.	(1) Account No. and Name	(2) Test Year Expense	(3) Utility Adjustments	(4) Adjusted Balance	(5) Non-Used & Useful %	(6) Non-Used & Amount
1	<b>INTANGIBLE PLANT</b>					
2	351.1 Organization			-		
3	352.1 Franchises	2,322		2,322		
4	389.1 Other Plant & Misc. Equipment			-		
5	<b>COLLECTION PLANT</b>					
6	353.2 Land & Land Rights			-		
7	354.2 Structures & Improvements	23,397		23,397		
8	355.2 Power Generation Equipment	9,850	568	10,418		
9	360.2 Collection Sewers - Force	123,487	1,869	125,356		
10	361.2 Collection Sewers - Gravity	27,536	147	27,683		
11	362.2 Special Collecting Structures			-		
12	363.2 Services to Customers	2,472	92	2,564		
13	364.2 Flow Measuring Devices	222		222		
14	365.2 Flow Measuring Installations			-		
15	389.2 Other Plant & Misc. Equipment			-		
16	<b>SYSTEM PUMPING PLANT</b>					
17	353.3 Land & Land Rights			-		
18	354.3 Structures & Improvements			-		
19	370.3 Receiving Wells	29,197		29,197		
20	371.3 Pumping Equipment	8,180	1,156	9,336		
21	389.3 Other Plant & Misc. Equipment			-		
22	<b>TREATMENT AND DISPOSAL PLANT</b>					
23	353.4 Land & Land Rights			-		
24	354.4 Structures & Improvements			-		
25	355.4 Power Generation Equipment			-		
26	380.4 Treatment & Disposal Equipment	200,679	193,897	394,576		
27	381.4 Plant Sewers	822	2,435	3,257		
28	382.4 Outfall Sewer Lines			-		
29	389.4 Other Plant & Misc. Equipment			-		
30	<b>RECLAIMED WATER DISTRIBUTION PLANT</b>					
31	366.6 Reuse Services			-		
32	367.6 Reuse Mtr/Installations			-		
33	374.5 Reuse Dist Reservoirs			-		
34	375.6 Reuse Trans. And Dist. System	7,356		7,356		
35	371.5 Pumping Equipment			-		
36	389.5 Other Plant & Misc Equipment			-		
37	<b>GENERAL PLANT</b>					
38	353.7 Land & Land Rights			-		
39	354.7 Structures & Improvements			-		
40	390.7 Office Furniture & Equipment	(3,032)		(3,032)		
41	391.7 Transportation Equipment	5,599	375	5,974		
42	392.7 Stores Equipment	103		103		
43	393.7 Tools, Shop & Garage Equipment	1,757		1,757		
44	394.7 Laboratory Equipment	1,413		1,413		
45	395.7 Power Operated Equipment	5,357	126	5,483		
46	396.7 Communication Equipment			-		
47	397.7 Miscellaneous Equipment			-		
48	398.7 Other Tangible Plant			-		
49	TOTAL	446,717	200,666	647,383		N/A
50	LESS: AMORTIZATION OF CIAC	(350,721)		(350,721)		
51						
52	NET DEPRECIATION EXPENSE - SEWER	\$ 95,996	\$ 200,666	\$ 296,662		N/A

Taxes Other Than Income (Final Rates)

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: 12/31/2014  
 Historic [X] Projected [ ]  
 Interim [ ] Final [X]

Florida Public Service Commission  
 Schedule: B-15  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.  
 Recap Schedules: B-1, B-2

Explanation: Complete the following schedule of all taxes other than income. For all allocations, provide description of allocation and calculations.

Line No.	(1) Description	(2) Regulatory Assessment Fees (RAFs)	(3) Payroll Taxes	(4) Real Estate & Personal Property	(5) Other	(6) Total
1	<b>WATER</b>					
2	Test Year					
3	General Expense Allocations					
4	Test Year Per Books	\$ -	\$ -	\$ -	\$ -	\$ -
5						
6	Adjustments to Test Year (Explain):					
7	Allocate ad valorem tax based on Net Plant					
8						
9	Increase in ad valorem tax					
10	Payroll Tax for allocations/annualization/increase					
11	Increase in RAFs associated with annualized water revenues					
12	Total Test Year Adjustments	-	-	-	-	-
13						
14	Adjusted Test Year					
15	Increase in ad valorem tax					
16	RAFs Assoc. with Revenue Increase					
17	Total Adjustments for requested increases	\$ -	\$ -	\$ -	\$ -	\$ -
18						
19	Total Balance	\$ -	\$ -	\$ -	\$ -	\$ -
20						
21	<b>WASTEWATER</b>					
22	Test Year	68,242	49,411	14,217	737	132,607
23						
24	Test Year Per Books	\$ 68,242	\$ 49,411	\$ 14,217	\$ 737	\$ 132,607
25						
26	Adjustments to Test Year (Explain):					
27	Increase in ad valorem tax for proforma per B-3			35,696		35,696
28	Payroll Tax for pro forma salary increase		13,526			13,526
29	Property Tax paid			391		391
30	Increase in RAFs associated with annualized sewer	633				633
31	Total Test Year Adjustments	633	13,526	36,087	-	50,246
32						
33	Adjusted Test Year	68,875	62,937	50,304	737	182,853
34	Increase in ad valorem tax per B-3					
35	RAFs Assoc. with Revenue Increase	63,054				63,054
36	Total Adjustments for requested increases	63,054	-	-	-	63,054
37						
38	Total Balance	\$ 131,929	\$ 62,937	\$ 50,304	\$ 737	\$ 245,907

INCOME TAX

Reconciliation of Total Income Tax Provision

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Schedule Year Ended: December 31, 2014  
 Interim [ ] Final [X]  
 Historic [X] or Projected [ ]

Schedule: C-1  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a reconciliation between the total operating income tax provision and the currently payable income taxes on operating income for the test year.

Line No.	Description	Ref.	Total Per Books	Utility Adjustments	Utility Adjusted	Adjusted For Increase	Sewer
1	Current Tax Expense	C-2					
2	Deferred Income Tax Expense	C-5					
3	ITC Realized This Year	C-8					
4	ITC Amortization	C-8					
5	(3% ITC and IRC 46(f)(2))						
6	Parent Debt Adjustment	C-9	-	-	-	-	-
7	Total Income Tax Expense		\$ -	\$ -	\$ -	\$ -	\$ -

**NOTE:**

The Company is a Qualified Subchapter S Subsidiary and pays no income taxes. Therefore, the Company is not eligible for a provision for income taxes and this Section of the MFR's has been omitted in its entirety.

Supporting Schedules: C-2, C-5  
 Recap Schedules: B-2

## COST OF CAPITAL

Schedule of Requested Cost of Capital  
13 Month Average Balance

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014  
Interim [ ] Final [x]  
Historical [x] Projected [ ]

Schedule D-1  
Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule which calculates the requested cost of capital on a 13-month average basis. If a year-end basis is used, submit an additional schedule reflecting year-end calculations.

	(1)	(2)	(3)	(4)	(5)
		Reconciled to Requested Rate Base			
Line No.	Class of Capital	AYE 12/31/14	Ratio	Cost Rate	Weighted Cost
1	Long Term Debt	\$ 1,172,469	26.87%	5.37%	1.44%
2	Short Term Debt				
3	Preferred Stock				
4	Common Equity	3,027,556	69.39%	9.36%	6.50%
5	Customer Deposits	162,972	3.74%	2.00%	0.07%
6	Tax Credits - Zero Cost				
7	Tax Credits - Weighted Cost				
8	Accumulated Deferred Income Tax				
9	Other (Explain)				
10					
11	Total	<u>\$ 4,362,997</u>	<u>100.00%</u>		<u>8.01%</u>

Note: The cost of equity is based on the leverage formula in effect pursuant to Order No. PSC-11-0287-PAA-WS

Supporting Schedules: D-2  
Recap Schedules: A-1, A-2

Reconciliation of Capital Structure to Requested Rate Base

Florida Public Service Commission

13 Month Average Balance

Company: K W Resort Utilities Corp

Docket No.: 150071-SU

Test Year Ended: 12/31/2014

Interim [ ] Final [x]

Historical [x] Projected [ ]

Schedule D-2

Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a reconciliation of the 13-month average capital structure to requested rate base. Explain all adjustments. Submit an additional schedule if a year-end basis is used.

Line No.	(1) Class of Capital	(2) Balance 12/31/2013	(3) Balance 12/31/2014	(4) Thirteen Month Average	Pro Forma Adjustment	Adjusted Average	(5) Reconciliation Adjustments		(7) Reconciled to Requested Rate Base AYE 12/31/14
							(6) Pro Rata Percentage	(6) Pro Rata Amount	
1	Long Term Debt	1,269,957	1,226,475	1,248,337		1,248,337	27.92%	(75,868)	1,172,469
2	Short Term Debt		-						
3	Preferred Stock	-	-	-					
4	Common Equity	(376,862)	(781,496)	(276,537)	\$ 3,500,000	3,223,463	72.08%	(195,907)	3,027,556
5	Customer Deposits	157,307	169,866	162,972		162,972	n/a		162,972
6	Tax Credits - Zero Cost		-	-			n/a		
7	Tax Credits - Weighted Cost		-	-			0.00%		
8	Accumulated Deferred Income Taxes						n/a		
9	Other (Explain)			-		-	0.00%		
10									
11	Total	<u>1,050,402</u>	<u>614,845</u>	<u>1,134,772</u>	<u>3,500,000</u>	<u>4,634,772</u>	<u>100.00%</u>	<u>\$ (271,775)</u>	<u>4,362,997</u>

Supporting Schedules: A-19, C-7, C-8, D-3, D-4, D-5, D-7

Recap Schedules: D-1

Preferred Stock Outstanding  
13 Month Average

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014  
Interim  Final   
Historical  Projected

Schedule D-3  
Page 1 of 1

Preparer: Millian, Swain & Associates, Inc.

Explanation: Provide data as specified on preferred stock on a 13-month average basis. If the utility is an operating division or subsidiary, submit an additional schedule which reflects the same information for the parent level.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line No.	Description, Coupon Rate, Years of Life	Issue Date	Call Provision, Special Restriction	Principal Amount Sold (Face Value)	Principal Amount Outstanding	Discount or Premium on Principal Amount Sold	Discount or Premium Associated with Column (5)	Issuing Expense Associated with Column (4)	Net Proceeds (5)-(9)+(7)	Rate (Contract Rate on Face Value)	Dollar Dividend on Face Value (11)×(5)	Effective Cost Rate (12)/(10)
1	Not applicable.											

Recap Schedules: A-19, D-2

Schedule of Short Term Debt  
13 Month Average

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014  
Interim [ ] Final [x]  
Historical [x] Projected [ ]

Schedule D-4  
Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the following information on a 13-month average basis. If the utility is an operating division or subsidiary, submit an additional schedule which reflects the same information for the parent level.

Line No.	(1) Lender	(2) Total Interest Expense	(3) Maturity Date	(4) Thirteen Month Average Amount Outstanding at 12/31/14	(5) Effective Cost Rate
1	N/ A	\$0			0.00%
2					
3	Total	\$0		\$0	0.00%

Recap Schedules: A-19, D-2

Cost of Long Term Debt  
13 Month Average Balance

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014  
Interim [ ] Final [x]  
Historical [x] Projected [ ]

Schedule D-5  
Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide the specified date on long term debt issues on a 13-month average basis for the test year. Arrange by type of issue (i.e., first mortgage bonds). If the utility is an operating division or subsidiary, submit an additional schedule which reflects the same information on the parent

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Line No.	Description, Coupon Rate, Years of Life	Issue Date - Maturity Date	Principal Amount Sold (Face Value)	Thirteen Month Average Principal Amount Outstanding	Amount Outstanding within One Year	Unamortized Discount or Premium Associated with Column (4)	Unamortized Issuing Expense Associated with Column (4)	Annual Amortization of Discount or Premium on Principal Outstanding	Annual Amortization of Issuing Expense on Principal Outstanding	Interest Cost (Coupon Rate x Column (4))	Total Interest Cost (8)+(9)+(10)	Effective Cost Rate (11)/((4)-(6)-(7))
1	BB&T 4.000%	02/2004 - 03/2017	373,571	395,434	44,000					15,817	15,817	4.00%
2	WS Utilities 6.000%		852,903	852,903						51,174	51,174	6.00%
3												
4												
5	Total		1,226,474	1,248,337	44,000	-	-	-	-	66,992	66,992	5.37%

Supporting Schedules: D-6  
Recap Schedules: A-19; D-2

Cost of Variable Rate Long Term Debt  
13 Month Average Balance

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014  
Interim  Final   
Historical  Projected

Schedule D-6  
Page 1 of 1

Preparer: Millan, Swain & Associates, Inc.

Explanation: Provide the specified data on variable cost long term debt issues on a 13-month average basis. If the utility is an operating division or subsidiary, submit an additional schedule which reflects the same information for the parent level.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Line No.	Description, Coupon Rate, Years of Life	Issue Date - Maturity Date	Principal Amount Sold (Face Value)	13 Month Average Principal Amount Outstanding	Amount Outstanding within One Year	Unamortized Discount or Premium Associated with Column (4)	Unamortized Issuing Expense Associated with Column (4)	Annual Amortization of Discount or Premium on Principal Outstanding	Annual Amortization of Issuing Expense on Principal Outstanding	Basis of Variable Rate (i.e. Prime + 2%)	Interest Cost (Coupon Rate x Column (4))	Total Interest Cost (8)+(9)+(10)	Effective Cost Rate (11)/((4)-(6)-(7))
1	Not applicable.												

Supporting Schedules: None  
Recap Schedules: D-2

Schedule of Customer Deposits

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Utility  or Parent   
 Historic  or Projected

Schedule: D-7  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule of customer deposits on a 13-month average basis.

Line No.	(1) For the Month Ended	(2) Beginning Balance	(3) Deposits Received	(4) Deposits Refunded	(5) Ending Balance (2+3-4)
1	Dec 13				\$ 157,307
2	Jan 14	157,307	1,719	1,049	157,977
3	Feb 14	157,977	2,361	1,052	159,286
4	Mar 14	159,286	1,958	1,557	159,687
5	Apr 14	159,687	2,801	1,288	161,200
6	May 14	161,200	3,051	1,184	163,067
7	Jun 14	163,067	1,505	1,861	162,711
8	Jul 14	162,711	2,506	1,159	164,058
9	Aug 14	164,058	1,556	1,602	164,012
10	Sep 14	164,012	2,686	914	165,784
11	Oct 14	165,784	841	-	166,625
12	Nov 14	166,625	1,695	1,265	167,055
13	Dec 14	167,055	3,278	467	169,866
14				Thirteen Month Average	\$ 162,972

Recap Schedules: D-2

## RATE SCHEDULES

## Rate Schedule - Sewer

Florida Public Service Commission

Company: K W Resort Utilities Corp

Schedule: E-1

Docket No.: 150071-SU

Page 1 of 1

Test Year Ended: 12/31/2014

Preparer: Milian, Swain &amp; Associates, Inc.

Water [ ] or Sewer [X]

Interim [ ] Final [x]

Explanation: Provide a schedule of present and proposed rates. State residential sewer cap, if one exists

Line No	(1) Class/Meter Size	(2) Rates Effective 3.30.2013	(4) Proposed Rates
1	<b>Residential</b>		
2	Flat Rate		
3	BCF All Meter Sizes	\$17.81	\$35.09
4			
5	Gallorage Charge per 1,000 gallons (10,000 gallon cap)	\$3.87	\$7.62
6			
7	<b>General Service</b>		
8	5/8" x 3/4 "	\$17.81	\$35.09
9	1"	\$44.53	\$87.72
10	1.5"	\$89.05	\$175.43
11	2"	\$142.47	\$280.67
12	3"	\$284.95	\$561.35
13	4"	\$445.24	\$877.12
14	6"	\$890.49	\$1,754.27
15	8"	\$1,602.86	\$3,157.63
16	8" Turbo	\$2,048.10	\$4,034.76
17			
18	Gallorage Charge per 1,000 gallons	\$4.64	\$9.14
19			
20	<b>Reclaimed Water</b>		
21			
22	Gallorage Charge per 1,000 gallons	\$0.68	\$1.34
23			
24	<b>Private Lift Station Owners</b>		
25	5/8" x 3/4 "	\$17.81	\$35.09
26	1"	\$44.53	\$87.72
27	2"	\$142.47	\$280.67
28			
29	Gallorage Charge per 1,000 gallons	\$4.64	\$9.14
30			
31	<b>Bulk WW - Safe Harbor Marina</b>		
32	Flat Rate	\$1,665.03	\$3,280.11
33	Residential living units 1 ERC each	\$343.66	
34	Live Aboard Boats .6 ERC each	\$286.38	
35	Non Live Aboard Boats .2 ERC each	\$143.20	
36	Vacant Slips .2 ERC each	\$30.84	
37	Bathhouses 1 ERC each	\$52.87	
38	Commercial Businesses .5 ERC each	\$26.43	
39	Commercial Bar	\$33.73	
40			
41	<b>Bulk WW - South Stock Island Marinas</b>		
42	Residential Living Units 1 ERC each	\$101.96	\$200.86
43	2" meter serving remainder	\$142.47	\$280.67
44			
45	Gallorage Charge per 1,000 gallons	\$4.64	\$9.14
46			
47	<b>KW Golf Club HOA</b>		
48	Large Swimming Pool	\$105.35	\$207.54
49	Small Swimming Pool	\$31.31	\$61.68
50			
51	Gallorage Charge per 1,000 gallons		
52			
53	<b>Dewatering Sludge Loads</b>		
54	Gallorage Rate	\$4.64	\$9.14
55	Minimum Charge (155,000 gls - 20 ERCs @ 250gpd, 31 days)	\$719.20	\$1,416.82

Revenue Schedule at Test Year Rates - Proof of Revenue

Florida Public Service Commission

Company: K W Resort Utilities Corp

Schedule E-2

Docket No.: 150071-SU

Page 1 of 2

Test Year Ended: 12/31/2014

Preparer: Milian, Swain & Associates, Inc.

Interim [ ] Final [x]

Water [ ] Sewer [x]

Explanation: Provide a calculation of revenues at present and proposed rates using the billing analysis. Explain any differences between these revenues and booked revenues. If a rate change occurred during the test year, a revenue calculation must be made for each period.

Line No.	(1) Class/Meter Size	(2)		(3)		(4)		(5)		(6)		(7)	
		Total Bills Jan. - Dec 2,014	Total Bills Jan. - Dec 2,014	Total Billable Gallons (in 000's) Jan. - Dec.	Test Year Rates Effective 3.30.13	Test Year / Annualized Revenue Jan. - Dec. 2014	Proposed Rates	Revenues at Proposed Rates					
1	<b>Residential</b>												
2	All Residential Meters	19,174			\$17.81	\$341,488.94	\$35.09	\$672,815.66					
3	All Residential Gallons (Max 10k gallons)		70,508		\$3.87	\$272,865.96	7.62	\$537,270.96					
4	Total Residential Service	19,174	70,508			\$614,354.90		\$1,210,086.62					
5	Average Residential Bill					\$32.04		\$63.11					
6	<b>General Service - Base Charge</b>												
7	5/8" General Service	1,684			\$17.81	\$29,992.04	\$35.09	\$59,091.56					
8	1" General Service	94			\$44.53	\$4,185.82	\$87.72	\$8,245.68					
9	1.5" General Service	36			\$89.05	\$3,205.80	\$175.43	\$6,315.48					
10	2" General Service	94			\$142.47	\$13,392.18	\$280.67	\$26,382.98					
11	4" General Service	12			\$445.24	\$5,342.88	\$877.12	\$10,525.44					
12	6" General Service	36			\$890.49	\$32,057.64	\$1,754.27	\$63,153.72					
13	8" General Service	0			\$1,602.86	\$0.00	\$3,157.63	\$0.00					
14	8" Turbo General Service	12			\$2,048.10	\$24,577.20	\$4,034.76	\$48,417.12					
15	Total General Service BFC	1,968				\$112,753.56		\$222,131.98					
16	<b>General Service - Gallons</b>												
17	5/8" General Service		31,932		\$4.64	\$148,164.48	\$9.14	\$291,858.48					
18	1" General Service		4,081		\$4.64	\$18,935.84	\$9.14	\$37,300.34					
19	1.5" General Service		0		\$4.64	\$0.00	\$9.14	\$0.00					
20	2" General Service		33,885		\$4.64	\$157,226.40	\$9.14	\$309,708.90					
21	4" General Service		12,582		\$4.64	\$58,380.48	\$9.14	\$114,999.48					
22	6" General Service		19,802		\$4.64	\$91,881.28	\$9.14	\$180,990.28					
23	8" General Service		0		\$4.64	\$0.00	\$9.14	\$0.00					
24	8" Turbo General Service		10,138		\$4.64	\$47,040.32	\$9.14	\$92,661.32					
25	Total General Service Gallonage	0	112,420			\$521,628.80		\$1,027,518.80					
26	Total General Service	1,968	112,420			\$634,382.36		\$1,249,650.78					
27	Average General Service Bill					\$322.35		\$634.99					
28	<b>Reclaimed Water</b>												
29	Gallonage Charge per 1,000 gallons	24	72,423		\$0.68	\$49,247.64	\$1.34	\$97,046.82					
30	<b>Private Lift Station Owners</b>												
31	5/8" x 3/4" meter				\$17.81	\$0.00	\$35.09	\$0.00					
32	1" meter				\$44.53	\$0.00	\$87.72	\$0.00					
33	2" meter				\$142.47	\$0.00	\$280.67	\$0.00					
34	Gallonage Charge per 1,000 gallons				\$4.64	\$0.00	\$9.14	\$0.00					
35	Total Private Lift Station Owners	0	0			\$0.00		\$0.00					
36	<b>Bulk WW - Safe Harbor Marina</b>												
37	Flat Rate	12			\$1,665.03	\$19,980.36	\$3,280.11	\$39,361.32					
38	Residential living units 1 ERC each				\$343.66	\$0.00		\$0.00					
39	Live Aboard Boats .6 ERC each				\$286.38	\$0.00		\$0.00					
40	Non Live Aboard Boats .2 ERC each				\$143.20	\$0.00		\$0.00					
41	Vacant Slips .2 ERC each				\$30.84	\$0.00		\$0.00					
42	Bathhouses 1 ERC each				\$52.87	\$0.00		\$0.00					
43	Commercial Businesses .5 ERC each				\$26.43	\$0.00		\$0.00					
44	Commercial Bar				\$33.73	\$0.00		\$0.00					
45	Total Safe Harbor Marina	12				\$19,980.36		\$39,361.32					

Revenue Schedule at Test Year Rates - Proof of Revenue

Company: K W Resort Utilities Corp

Docket No.: 150071-SU

Test Year Ended: 12/31/2014

Interim [ ] Final [x]

Water [ ] Sewer [x]

Florida Public Service Commission

Schedule E-2

Page 2 of 2

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a calculation of revenues at present and proposed rates using the billing analysis. Explain any differences between these revenues and booked revenues. If a rate change occurred during the test year, a revenue calculation must be made for each period.

Line No.	(1) Class/Meter Size	(2) Total Bills Jan. - Dec 2,014	(3) Total Billable Gallons (in 000's) Jan. - Dec. 2,014	(4) Test Year Rates Effective 3.30.13	(5) Test Year / Annualized Revenue Jan. - Dec. 2014	(6) Proposed Rates	(7) Revenues at Proposed Rates
1	<b>General Svc. Bulk WW - South Stock Island Marinas*</b>						
2	5/8" Residential Living Units	24	912	\$101.96	\$92,987.52	\$200.86	\$183,184.32
3	2"	36	36	\$142.47	\$5,128.92	\$280.67	\$10,104.12
4	8" Turbo	12	12	\$2,048.10	\$24,577.20	\$4,034.76	\$48,417.12
5	Gallage Charge per 1,000 gallons		8,535	\$4.64	\$39,602.40	\$9.14	\$78,009.90
6	Total General Service	72			\$162,296.04		\$319,715.46
7	Small Swimming Pool	24	24	\$31.31	\$751.44	\$61.68	\$1,480.32
8	Total South Stock Island Marinas	96	8,535		\$163,047.48		\$321,195.78
9							
10	* Key West Marina Investments and Stock Island Marina Village are each charged the base rate for six (6) 5/8" and one (1) 2" meters on one monthly bill for an annual total of 144 5/8" and 24 2".						
11	*Sunset Marinas and Condominiums is charged the base rate for sixty four (64) 5/8", one (1) 2" and one (1) 8" meters on one monthly bill for an annual total of (768) 5/8", twelve (12) 2" and twelve (12) 8" meters, plus 2 small swimming pools.						
12							
13	<b>KW Golf Club HOA</b>						
14	Large Swimming Pool	12		\$105.75	\$1,269.00	\$207.54	\$2,490.48
15	Small Swimming Pool	12		\$31.31	\$375.72	\$61.68	\$740.16
16	Total KW Golf Club HOA	24	0		\$1,644.72		\$3,230.64
17	<b>Dewatering Sludge Loads</b>						
18	Gallage Rate			\$4.64		\$9.14	
19	Minimum Charge (155,000 gls - 20 ERCs @ 250gpd, 31 days)			\$719.20		\$1,416.82	
20	Total Dewatering Sludge Loads	0	0		\$0.00		\$0.00
21							
22	Other Miscellaneous Revenues				\$10,719.63		\$10,719.63
23	Adjustment to reclass Miscellaneous Revenues						
24	Total Other Revenues				\$10,719.63		\$10,719.63
25							
26	Test Year Accruals				\$0.00		\$0.00
27	Adjusted Test Year/ Annualized / Proposed Revenues				\$1,493,377.09		\$2,931,291.59
28	Total Per Books / Proposed				\$1,479,306.70		\$2,931,759.09
29	Difference				\$14,070.39		(\$467.50)
30	Percentage				0.95%		-0.02%

Customer Monthly Billing Schedule  
 Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Water [x] or Sewer [x]  
 Explanation: Provide a schedule of monthly customers billed or served by class.

Florida Public Service Commission  
 Schedule E-3  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

WATER	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Line No.	Month/Year	Residential	Multi-Residential	General Service		Other	Total
1							-
2							-
3							-
4							-
5							-
6							-
7							-
8							-
9							-
10							-
11							-
12							-
13							-
14	Total	-	-	-	-	-	-

WASTEWATER	(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Month/Year	Residential	General Service	Reclaimed Water	Other	Total
1	January	1,601	170	2	5	1,778
2	February	1,603	170	2	5	1,780
3	March	1,599	170	2	5	1,776
4	April	1,600	170	2	5	1,777
5	May	1,594	170	2	5	1,771
6	June	1,601	170	2	5	1,778
7	July	1,594	168	2	5	1,769
8	August	1,597	170	2	5	1,774
9	September	1,595	170	2	5	1,772
10	October	1,591	170	2	5	1,768
11	November	1,595	170	2	5	1,772
12	December	1,604	172	2	5	1,783
13						
14	Total	19,174	2,040	24	60	21,298

Miscellaneous Service Charges

Florida Public Service Commission

Company: K W Resort Utilities Corp

Schedule E-4

Docket No.: 150071-SU

Page 1 of 1

Test Year Ended: 12/31/2014

Interim  Final

Preparer: Milian, Swain & Associates, Inc.

Historical  Projected

Water  Sewer

Explanation: Provide a schedule of present and proposed miscellaneous service charges. If an increase is proposed (or new charges), provide a schedule of derivation of charges.

Line No.	(1) Type Charge	(2) Present		(3) Proposed	
		Bus. Hrs.	After Hrs.	Bus. Hrs.	After Hrs.
1	Initial Connection Fee	\$ 15.00		\$ 21.00	\$ 42.00
2	Normal Reconnection Fee	\$ 15.00		\$ 21.00	\$ 42.00
3	Violation Reconnection Fee	Actual Cost (1)		Actual Cost (1)	
4	Premises Visit Fee (in lieu of disconnection)	\$ 10.00		\$ 21.00	\$ 42.00
5	Bad Check Charge			Pursuant to 832.08(5), Florida Statutes	
	Late Payment Fee			\$ 5.00	

<sup>(1)</sup> Actual Cost is equal to the total cost incurred for services.

Miscellaneous Service Charge Revenues

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU

Schedule E-5  
 Page 1 of 1

Interim  Final   
 Historical  Projected   
 Water  Sewer

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule of test year miscellaneous charges received by type. Provide an additional schedule for proposed charges, if applicable.

Line Number	(1) Initial Connection	(2) Normal Connect	(3) Violation Reconnect	(4) Premises Visit	(5) Other Charges	(6) Total
1	\$ 5,170	\$ 3,450	\$ -		\$ 2,100	\$ 10,720
2						
3	Other Charges as follows:					
4	Miscellaneous					
5	Rents From Sewer Property					
6					2,100	
7	Total Other Charges					
8					<u>2,100</u>	
9	(a) Actual Cost is equal to the total cost incurred for services.					

Public Fire Hydrants Schedule

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule E-6  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule of public fire hydrants (including standpipes, etc.) by size. This schedule is not required for a sewer only rate application.

Line No.	(1) Size	(2) Make	(3) Type	(4) Quantity
----------	-------------	-------------	-------------	-----------------

1 K W Resort Utilities Corp provides wastewater service only, therefore this schedule is not applicable.

Private Fire Protection Service

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014  
Interim  Final   
Historical  Projected

Schedule E-7  
Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule of private fire protection service by size of connection. This schedule is not required for a sewer only rate application.

Line No.	(1) Size	(2) Type	(3) Quantity
----------	-------------	-------------	-----------------

1 K W Resort Utilities Corp provides wastewater service only, therefore this schedule is not applicable.

Contracts and Agreements Schedule

Florida Public Service Commission

Company: K W Resort Utilities Corp

Schedule E-8

Docket No.: 150071-SU

Page 1 of 1

Test Year Ended: 12/31/2014

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a list of all outstanding contracts or agreements having rates or conditions different from those on approved tariffs. Describe with whom, the purpose and the elements of each contract shown.

(1) Line No.	(2) Type	(3) Description
1		K W Resort Utilities Corp has no outstanding contracts or agreements which are different than approved tariffs, therefore this schedule is not applicable.

Tax or Franchise Fee Schedule

Florida Public Service Commission

Company: K W Resort Utilities Corp  
Docket No.: 150071-SU  
Test Year Ended: 12/31/2014

Schedule: E-9  
Page 1 of 1  
Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule of state, municipal, city or county franchise taxes or fees paid (or payable). State the type of agreement (i.e. contract, tax).

Line No.	(1) Type Tax or Fee	(2) To Whom Paid	(3) Amount	(4) How Collected From Customers	(5) Type Agreement
----------	---------------------------	------------------------	---------------	--	--------------------------

1 K W Resort Utilities Corp does not collect or pay any tax or franchise fees, therefore this schedule is not applicable

Service Availability Charges Schedule

Company: K W Resort Utilities Corp

Docket No.: 150071-SU

Test Year Ended: 12/31/2014

Interim [ ] Final [x]

Historical [x] Projected [ ]

Water [ ] Sewer [X]

Florida Public Service Commission

Schedule E-10

Page 1 of 1

Preparer: Milian, Swain & Associates, Inc.

Explanation: Provide a schedule of present and proposed service availability charges. (See Rule 25-20.580, F.A.C.). If no change is proposed, then this schedule is not required.

Line No.	(1) Type Charge	(2) Present Charges	(3) Proposed Charges
1	K W Resort Utilities Corp. is not proposing a change to its present service availability charges.		
2	System Capacity Charge		
3	Residential-per ERC (___ GPD)		
4	All others-per Gallon/Day		
5			
6	Plant Capacity Charge	\$ 2,700.00	
7	Residential-per ERC ( GPD) or per Lot		
8	All others-per Gallon/Day	\$ 2,700.00	
9			
10	Main Extension Charge		
11	Residential-per ERC ( GPD)		
12	or-per Lot (_____ Front Footage)		
13	Multi-family - Per unit		
14	All others-per Gallon/Day		
15	or-per Front Foot		
16			
17	Plan Review Charge		
18			
19	Inspection Charge		
20			
21	Guaranteed Revenue Charge		
22	With prepayment of Serv. Avail. Charges		

Guaranteed Revenues Received

Florida Public Service Commission

Company: K W Resort Utilities Corp

Schedule: E-11

Docket No.: 150071-SU

Page 1 of 1

Test Year Ended: 12/31/2014

Preparer: Milian, Swain & Associates, Inc.

Water [X] or Sewer [X]

Historic [X] or Projected [ ]

Explanation: Provide copies of all guaranteed revenue contracts with a schedule of billing and receipts on an annual basis by class.

Line No.	(1) For the Year Ended	(2) Residential	(3) General Service	(4) Other	(5) Total
----------	------------------------------	--------------------	---------------------------	--------------	--------------

- 1 K W Resort Utilities Corp did not receive any guaranteed revenue in the test year, therefore this schedule is not applicable

Class A Utility Cost of Service Study

Florida Public Service Commission

Company: K W Resort Utilities Corp

Schedule: E-12

Docket No.: 150071-SU

Page 1 of 1

Test Year Ended: 12/31/2014

Preparer: Milian, Swain & Associates, Inc.

Water [X] or Sewer [X]

Explanation: All Class A utilities whose service classes include industrial customers, whose utilization exceeds an average of 350,000 GPD, shall provide a fully allocated class cost of service study showing customer, base (commodity), and extra capacity

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Line No

1 K W Resort Utilities Corp does not serve any industrial customers, therefore this schedule is not applicable

Projected Test Year Revenue Calculation

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Water [X] or Sewer [X]

Schedule: E-13  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, Inc.

Explanation: If a projected test year is used, provide a schedule of historical and projected bills and consumption by classification. Include a calculation of each projection factor on a separate schedule, if necessary. List other classes or meter sizes as applicable. Include a calculation of each projection factor on a separate schedule, if necessary. List other classes or meter sizes as applicable.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Line No.	Class/Meter Size	Historical Year Bills	Proj. Factor	Proj. Test Year Bills	Test Year Consumption (000)	Proj. Factor	Project. TY Consumption (000)	Present Rates	Projected TY Revenue	Proposed Rates	Proj. Rev. Requirement

1 K W Resort Utilities Corp. is not utilizing a projected test year, therefore this schedule is not applicable.

Billing Analysis Schedules

Florida Public Service Commission

Company: K W Resort Utilities Corp  
 Docket No.: 150071-SU  
 Test Year Ended: 12/31/2014  
 Water [x] or Sewer [x]

Schedule: E-14  
 Page 1 of 1  
 Preparer: Milian, Swain & Associates, In

Customer Class:

Meter Size: all

Explanation: Provide a billing analysis for each class of service by meter size. For applicants having master metered multiple dwellings, provide number of bills at each level by meter size or number of bills categorized by the number of units. Round consumption to nearest 1,000 gallons & begin at zero. If a rate change occurred during the test year, provide a separate billing analysis which coincides with each period.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Line No.	Consumption Level	Number of Bills	Cumulative Bills	Gallons Consumed (1)x(2)	Cumulative Gallons	Reversed Bills	Consolidated Factor [(1)x(6)]+(5)	Percentage of Total

The billing analysis is contained in Volume II

## ENGINEERING SCHEDULES

Gallons of Wastewater Treated  
In Thousands of Gallons

Florida Public Service Commission

K W Resort Utilities, Corp.  
Docket No.: 150071-SU  
Test Year Ended: December 31, 2014

Schedule F-2  
Page 1 of 1  
Preparer: Seidman, F.

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the historical test year. Flow data should match the monthly operating reports sent to DEP.

Month/ Year	(1)	(2)	(3)	(4)	(5)	(6)
	Individual Plant Flows (000,000)				Total Plant Flows	Total Purch. Sewage Treatment
	KWRU	N/A	N/A	N/A		
Jan-14	11.840				11.840	none
Feb-14	12.776				12.776	
Mar-14	12.950				12.950	
Apr-14	13.444				13.444	
May-14	13.821				13.821	
Jun-14	12.888				12.888	
Jul-14	13.601				13.601	
Aug-14	15.064				15.064	
Sep-14	15.087				15.087	
Oct-14	16.592				16.592	
Nov-14	14.691				14.691	
Dec-14	15.629				15.629	
<b>Total</b>	<b>168.383</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>168.383</b>	<b>-</b>

Wastewater Treatment Plant Data

Florida Public Service Commission

K W Resort Utilities, Corp.  
 Docket No.: 150071-SU  
 Test Year Ended: December 31, 2014

Schedule F-4  
 Page 1 of 1  
 Preparer: Seidman, F.

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (DMRs) sent to the Department of Environmental Protection.

EXISTING PLANT	<u>MONTH</u>	<u>GPD</u>
1. Plant Capacity (AADF)		<u>499,000</u>
The hydraulic rated capacity. If different from that shown on the DEP operating or construction permit, provide an explanation.		
2. Maximum 3MRADF (FDEP Planning Basis)	<u>12/2014</u>	<u>509,696</u>
3 Average Annual Daily Flow		<u>461,323</u>
		<u>GPD</u>
PLANT CAPACITY AS OF 2016		
1. Plant Capacity (AADF)		<u>849,000</u>
The hydraulic rated capacity. If different from that shown on the DEP operating or construction permit, provide an explanation.		
2. Maximum 3MRADF (FDEP Planning Basis)	<u>10/2016</u> Est.	<u>624,641</u>
3 Average Annual Daily Flow		<u>607,546</u>

Note: Estimate reflect factors considered at MFR Schedule E-6, pages 2 and 3.

Used and Useful Calculations  
Wastewater Treatment Plant

Florida Public Service Commission

K W Resort Utilities, Corp.  
Docket No.: 150071-SU  
Test Year Ended: December 31, 2014

Schedule F-6  
Page 1 of 4  
Preparer: Seidman, F.

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s) for the historical test year and the projected test year (if applicable).

Line No.		
<b>EXISTING PLANT</b>		
1	(A)	Used and useful flow (000):
2		AADF - year 2014
		<u>461,323</u>
3	(B)	Property needed for post test year period (see F-8)
		<u>187,619</u>
4	(C)	Permitted capacity
		<u>499,000</u>
5	(D)	Used and useful percentage
		<u>130.05%</u>
6	(E)	Non-used and useful percentage
		<u>-30.05%</u>
7	[F]	Used and useful percentage for rate case purposes
		<u>100.00%</u>
<b>PLANT CAPACITY AS OF 2016</b>		
1	(A)	Used and useful flow (000):
2		Estimated AADF - year 2014. See Sch. F-4
		<u>461,323</u>
3	(B)	Property needed for post test year period (see F-8)
		<u>393,157</u>
4	(C)	Permitted capacity [Intent to Issue, 6/23/14]
		<u>849,000</u>
5	(D)	Used and useful percentage
		<u>100.65%</u>
6	(E)	Non-used and useful percentage
		<u>-0.65%</u>
7	[F]	Used and useful percentage for rate case purposes
		<u>100.00%</u>

Continue to page 2 of 4

Recap Schedules: A-6, A-10, B-14

K W Resort Utilities, Corp.  
Docket No.: 150071-SU  
Test Year Ended: December 31, 2014

Schedule F-6  
Page 2 of 4  
Preparer: Seidman, F.

**Explanation:** Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s) for the historical test year and the projected test year (if applicable).

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Line  
No.

KWRU faces unique environmental, growth and timing challenges affected by DEP and County limitations on when connections can be made to its system. These limitations result in understated growth and therefore understated used and useful allowances, if determined using only the basic formulas set out in the statute and rules without recognizing other factors which the Commission is authorized to consider. It is incumbent on the Commission to look beyond the basic formulas and invoke the several factors allowed to be considered in 367.081(2)(a)2 and 367.081(3), Florida Statutes and 25-30.431 and 25-30.432, Florida Administrative Code in order to avoid understating the percentage of used and useful to be authorized.

Factors to be Considered by PSC in Determining that the Expanded Plant Capacity of 849,000 GPD be Considered 100% U&U, in Accordance with 367.081(2)(a)2 and 367.081(3), Florida Statutes and 25-30.431 and 25-30.432, Florida Administrative Code.

**THE RATE OF GROWTH AND THE TIME NEEDED TO MEET DEP GUIDELINES FOR PLANNING, DESIGN AND EXPANSION**

In 2013 the maximum 3MADF was at 91% of the .499 MGD permitted capacity. When the permitted capacity (measured in 3MADF) will be equal or exceeded within the next six months, the permittee is required to submit an application for a construction/operating permit to expand. In April, 2014, KWRU submitted an application to FDEP to increase the processing capacity of the plant by .350 MGD based on known flows through 2013. In June, 2014, the FDEP issued an "Intent to Issue" a construction permit. By October, 2014, the 3 MADF had reached 102% of the permitted capacity. At that point, the County would only issue dry permits until the KWRU expansion is approved and construction is under way. As a result, flows going forward are suppressed in 2015 from what they would have been. The need for the expansion is critical. In April, 2015, FDEP was still holding hearings wherein developers were concerned that the requested .350 GPD expansion was inadequate. The Utility rate of growth has been at a historical average of just over 7%, even considering recent slower growth due to suppression. It is expected to continue at that rate including and after the known suppressed demand comes on line in the year the plant expansion is completed.

**THE PROPERTY IS NEEDED TO SERVE MORE THAN FIVE FULL YEARS AFTER THE END OF THE 2014 TEST YEAR**

The expansion is needed to serve customers five years after the end of the 2014 test year and five years after the completion of the expansion due to the exhibited and projected rate of growth that exceeds a 5% per year average. Based on analysis of historic flows and building projects either known to have contacted KWRU or have obtained Development Agreements with Monroe County, the capacity increase determined to be necessary by the project engineers (350,000 GPD increase or from 499,000 GPD to 849,000 GPD along with a concomitant increase in disposal capacity) is expected to be more than 70% used in the year in which it is placed in service. At the average historic growth rate the projected flows will increase to 82% of permitted capacity within two years and be at capacity within five years.

Continue to page 3 of 4

Recap Schedules: A-6, A-10, B-14

K W Resort Utilities, Corp.  
Docket No.: 150071-SU  
Test Year Ended: December 31, 2014

Schedule F-6  
Page 3 of 4  
Preparer: Seidman, F.

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s) for the historical test year and the projected test year (if applicable).

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Line  
No.

#### TECHNICAL AND ECONOMIC OPTIONS FOR SIZING INCREMENTS

Expanding in smaller increments was considered, but with the high projected growth rate, new expansions would to be started before the first ones are completed. This would be inefficient and not cost effective. There would duplicative costs for engineering, permitting and set-up. Also, in order for construction to proceed smoothly, the staff of KWRU must be available to assist contractors at the site with coordination and rearrangement. The staff is not large enough to continuously be available for that purpose and operate and maintain the plant and system. Additionally, since Monroe County requires a capacity commitment from the utility prior to issuing a development agreement, development could be held up.

#### ENVIRONMENTAL CONSIDERATIONS

KWRU provides wastewater service to Stock Island in the Florida Keys, Monroe County. KWRU is the only utility on the island providing central wastewater collection, treatment and disposal service. By County mandate, collection by septic tank or cesspit is not allowed on the island for environmental reasons and all entities requiring wastewater treatment service must connect to the KWRU system. Monroe County contracted with KWRU in 2001 to decommission all septic tank and cesspit service and connect to KWRU. That project has been completed. The funding of this project was initially provided by Monroe County and reimbursed through KWRU capacity fees. Concomitant with the expansion of the treatment plant capacity is the addition of two 10" Class V injection wells to protect the island's environment.

**The extraordinary growth, the planning requirements of DEP, the need to meet environmental requirements, the economics of smaller options, the commitments by commercial enterprises and the expressed concern of such entities at the DEP hearings that the expansion is insufficient are all factors that clearly exist. As it did in the last case (see Order No. PSC-09--0057-FOF-SU, 1/27/2009, page 20) the Commission should recognize these factors and find that the existing wastewater treatment plant, the expansion and the addition of the injection wells are all 100% used and useful.**

Continue to page 4 of 4

Recap Schedules: A-6, A-10, B-14

Used and Useful Calculations  
Wastewater Treatment Plant

Florida Public Service Commission

K W Resort Utilities, Corp.  
Docket No.: 150071-SU  
Test Year Ended: December 31, 2014

Schedule F-6  
Page 4 of 4  
Preparer: Seidman, F.

A. Infiltration allowance, excluding service laterals

	Main dia. inches	Main length feet	Allowance @ 500 gpd/inch-dia.-mile		
			miles	gpd	
1	4	3,015	0.571	1,142	
	6	5,518	1.045	3,135	
2	6	662	0.125	376	
3	8	26,807	5.077	20,308	
4	10	300	0.057	284	
5	12	0	0.000	0	
6	15	0	0.000	0	
7	Total	36,302	6.875	25,246	
8	Estimated Inflow @ 10% of flows (L.10)				16,838,300
9	Allowable I&I				26,053,029

B. Calculation of Actual Inflow & Infiltration (I&I)

10 Wastewater treated 168,383,000 F-2

	<u>Water Gallons (not capped) sold to:</u>	<u>Estimated returned *</u>	
11	Residential WW SFR 78,848,000	80%	63,078,400 F-10
14	General Service 120,955,000	90%	108,859,500 F-10
15	Estimated flows returned 199,803,000	100%	171,937,900 F-10
16	Estimated I&I (treated less returned) [L.10-L.15]		-3,554,900
17	Actual less allowable [L.16-L.9]		-29,607,929
18	Excess, if any [L.17, if positive]		0
19	Excess as percent of wastewater treated		0.00%

Used and Useful Calculations  
Water Distribution and Wastewater Collection Systems

Florida Public Service Commission

K W Resort Utilities, Corp.  
Docket No.: 150071-SU  
Test Year Ended: December 31, 2014

Schedule F-7  
Page 1 of 1  
Preparer: Seidman, F.

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems for the historical and the projected test year (if applicable). The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density for historical year calculations. Explain all assumptions for projected calculations. If the distribution and collection systems are entirely contributed or built-out, this schedule

---

Distribution & Collection Systems

The original gravity system is essentially built out and the vacuum collection system is full contributed. See Order No. PSC-09-0057-FOF-SU, 1/27/2009, pages 19,21. The collection system is 100% used and useful.

K W Resort Utilities, Corp.  
 Docket No.: 150071-SU  
 Test Year Ended: December 31, 2014

Schedule F-8  
 Page 1 of 1  
 Preparer: Seidman, F.

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5, F-6, F-7

1. Wastewater Treatment & Related Facilities - Existing Plant Capacity - 2014

PN = EG x PT x U

where:

EG =	Equivalent annual growth in ERCs (see F-10)	329 ERC/yr	*
PT =	Post test year period per statute	5 yrs from 2014	
U =	Unit of measure utilized in U&U calculations	114 gpd/ERC	**
PN =	Property needed expressed in U units	187,619 gpd	

\* - Based on average historic growth rate  
 \*\* - AADF/ERC in Test Year

2. Wastewater Treatment & Related Facilities - Expanded Plant Capacity

Rule 25-30.431 formula modified to recognize known growth factors

Based on the discussion at Schedule F-6, the Utility proposes the use of the basic formula for calculating PN with modifications which it believes captures the essence of the factors allowed to be considered. The suppressed flow demand represents general service developers for which the demand has been calculated by KWRU and its engineers on the basis of AADF gpd from the EDU (ERC) equivalents of their planned facilities and on County Development agreements. Rather than convert these flow demand back to ERCs, the Utility has projected the AADF flow directly, indicating that portion associated with the suppressed demand coming on line when the plant expansion is complete. This results in a determination of PN (Property need for growth) in gpd, just as is done with standard formula in the rules.

PN = A + B + C

where A, B, and C are defined below

2015 Growth:

Projected AADF gpd in 2015, based on actual 2015 through May annualized (reflecting suppression of growth due to plant being past capacity).	472,208 gpd
Less actual 2014 AADF gpd.	(461,350)
<b>A</b>	<b>10,858 gpd</b>

2016 Growth:

Projected AADF gpd additions in 2016 at average historic rate	33,338
Plus suppressed growth coming online	102,000
<b>B</b>	<b>135,338 gpd</b>

Then five years forward, at average historic rate growth	<b>C</b> 246,961 gpd
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Property needed expressed in gpd	<b>PN</b> <u>393,157</u> gpd
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Equivalent Residential Connections - Wastewater

Florida Public Service Commission

K W Resort Utilities, Corp.  
 Docket No.: 150071-SU  
 Test Year Ended: December 31, 2014

Schedule F-10  
 Page 1 of 1  
 Preparer: Seidman, F.

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2) SFR Beginning	(3) SFR Ending	(4) SFR Average	(5) SFR Gallons Sold	(6) Gallons/ SFR (5)/(4)	(7) Total Gallons Sold	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
1	2010	1,678	1,804	1,741	86,818,588	49,867	154,094,346	3,090	
2	2011	1,804	1,703	1,754	72,847,075	41,544	146,416,227	3,524	14.05%
3	2012	1,703	1,574	1,639	70,991,109	43,327	169,013,042	3,901	10.68%
4	2013	1,574	1,584	1,579	70,175,345	44,443	176,599,984	3,974	1.87%
5	2014	1,584	1,604	1,594	78,848,000	49,465	199,803,000	4,039	1.65%
Average Growth Through 5-Year Period (Col. 8)									7.06%

Regression Analysis per Rule 25-30.431(2)(C)  
 For Treatment Related Facilities based on ERCs

Constant: 3001.388353  
 X Coefficient: 234.753277  
 R^2: 0.820756606

	X	Y
1	3,090	Actual
2	3,524	Actual
3	3,901	Actual
4	3,974	Actual
5	4,039	Actual
10	5,349	Projected
12	5,818	Projected

Projected 5 year growth (Regression)	1,310 ERCs
Annual average growth	262 ERCs
Projected 5 year growth (at 7.06% avg. historic rate)	1,643 ERCs
Annual average growth	329 ERCs

## INTERIM RATE SCHEDULES

CLASS A and B  
WASTEWATER UTILITIES

**FINANCIAL, RATE  
AND ENGINEERING  
MINIMUM FILING  
REQUIREMENTS**

OF

KW RESORT UTILITIES CORP

Exact Legal Name of Utility  
Docket No.: 150071-SU

**VOLUME II**



FOR THE

Test Year Ended: December 31, 2014

CLASS A AND B WATER AND/OR SEWER UTILITIES  
FINANCIAL, RATE AND ENGINEERING  
MINIMUM FILING REQUIREMENTS

INDEX

<u>SCHEDULE</u>	<u>PAGE(S)</u>	<u>DESCRIPTION OF SCHEDULE</u>
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VOLUME II

BILLING ANALYSIS

**K W Resort Utilities Corp**  
**Docket No. : 150071-SU**  
**Test Year Ended: December 31, 2014**

Customer Class: Residential  
 Meter Size: 5/8"

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
				Gallons				
	Consumpt. Level	Number of Bills	Cumulative Bills	Consumed (1) x (2)	Cumulative Gallons	Reversed Bills	Consolidated Factor	Percentage of Total
	0	2142	2142	0	0	17032	0	0.00%
	1	1495	3637	1495	1495	15537	17032	21.60%
	2	2208	5845	4416	5911	13329	32569	41.31%
	3	2989	8834	8967	14878	10340	45898	58.21%
	4	2716	11550	10864	25742	7624	56238	71.32%
	5	2172	13722	10860	36602	5452	63862	80.99%
	6	1625	15347	9750	46352	3827	69314	87.91%
	7	1186	16533	8302	54654	2641	73141	92.76%
	8	815	17348	6520	61174	1826	75782	96.11%
	9	586	17934	5274	66448	1240	77608	98.43%
	10	406	18340	4060	70508	834	78848	100.00%
Over	10	834	19174	8340	78848	0	78848	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 5/8"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
0	256	256	0	0	1414	0	0.00%
1	162	418	162	162	1252	1414	4.43%
2	161	579	322	484	1091	2666	8.35%
3	144	723	432	916	947	3757	11.77%
4	122	845	488	1404	825	4704	14.73%
5	89	934	445	1849	736	5529	17.31%
6	68	1002	408	2257	668	6265	19.62%
7	74	1076	518	2775	594	6933	21.71%
8	64	1140	512	3287	530	7527	23.57%
9	57	1197	513	3800	473	8057	25.23%
10	27	1224	270	4070	446	8530	26.71%
11	25	1249	275	4345	421	8976	28.11%
12	18	1267	216	4561	403	9397	29.43%
13	20	1287	260	4821	383	9800	30.69%
14	20	1307	280	5101	363	10183	31.89%
15	18	1325	270	5371	345	10546	33.03%
16	12	1337	192	5563	333	10891	34.11%
17	16	1353	272	5835	317	11224	35.15%
18	20	1373	360	6195	297	11541	36.14%
19	6	1379	114	6309	291	11838	37.07%
20	9	1388	180	6489	282	12129	37.98%
21	11	1399	231	6720	271	12411	38.87%
22	2	1401	44	6764	269	12682	39.72%
23	5	1406	115	6879	264	12951	40.56%
24	7	1413	168	7047	257	13215	41.38%
25	4	1417	100	7147	253	13472	42.19%
26	7	1424	182	7329	246	13725	42.98%
27	7	1431	189	7518	239	13971	43.75%
28	9	1440	252	7770	230	14210	44.50%
29	3	1443	87	7857	227	14440	45.22%
30	4	1447	120	7977	223	14667	45.93%
31	4	1451	124	8101	219	14890	46.63%
32	3	1454	96	8197	216	15109	47.32%
33	1	1455	33	8230	215	15325	47.99%
34	11	1466	374	8604	204	15540	48.67%
35	2	1468	70	8674	202	15744	49.30%
36	3	1471	108	8782	199	15946	49.94%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 5/8"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
37	3	1474	111	8893	196	16145	50.56%
38	5	1479	190	9083	191	16341	51.17%
39	1	1480	39	9122	190	16532	51.77%
40	2	1482	80	9202	188	16722	52.37%
41	2	1484	82	9284	186	16910	52.96%
43	4	1488	172	9456	182	17282	54.12%
44	7	1495	308	9764	175	17464	54.69%
45	2	1497	90	9854	173	17639	55.24%
46	5	1502	230	10084	168	17812	55.78%
47	2	1504	94	10178	166	17980	56.31%
48	8	1512	384	10562	158	18146	56.83%
49	3	1515	147	10709	155	18304	57.32%
50	10	1525	500	11209	145	18459	57.81%
51	6	1531	306	11515	139	18604	58.26%
52	4	1535	208	11723	135	18743	58.70%
53	5	1540	265	11988	130	18878	59.12%
54	2	1542	108	12096	128	19008	59.53%
55	2	1544	110	12206	126	19136	59.93%
56	4	1548	224	12430	122	19262	60.32%
57	3	1551	171	12601	119	19384	60.70%
58	3	1554	174	12775	116	19503	61.08%
59	1	1555	59	12834	115	19619	61.44%
60	1	1556	60	12894	114	19734	61.80%
61	4	1560	244	13138	110	19848	62.16%
62	2	1562	124	13262	108	19958	62.50%
64	3	1565	192	13454	105	20174	63.18%
65	7	1572	455	13909	98	20279	63.51%
66	3	1575	198	14107	95	20377	63.81%
67	2	1577	134	14241	93	20472	64.11%
68	1	1578	68	14309	92	20565	64.40%
69	2	1580	138	14447	90	20657	64.69%
70	5	1585	350	14797	85	20747	64.97%
71	4	1589	284	15081	81	20832	65.24%
72	6	1595	432	15513	75	20913	65.49%
73	1	1596	73	15586	74	20988	65.73%
74	4	1600	296	15882	70	21062	65.96%
75	2	1602	150	16032	68	21132	66.18%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 5/8"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
79	1	1603	79	16111	67	21404	67.03%
81	2	1605	162	16273	65	21538	67.45%
82	1	1606	82	16355	64	21603	67.65%
86	3	1609	258	16613	61	21859	68.45%
89	2	1611	178	16791	59	22042	69.03%
95	1	1612	95	16886	58	22396	70.14%
101	1	1613	101	16987	57	22744	71.23%
103	1	1614	103	17090	56	22858	71.58%
105	2	1616	210	17300	54	22970	71.93%
106	1	1617	106	17406	53	23024	72.10%
109	1	1618	109	17515	52	23183	72.60%
116	1	1619	116	17631	51	23547	73.74%
117	1	1620	117	17748	50	23598	73.90%
133	1	1621	133	17881	49	24398	76.41%
169	1	1622	169	18050	48	26162	81.93%
176	1	1623	176	18226	47	26498	82.98%
177	1	1624	177	18403	46	26545	83.13%
178	1	1625	178	18581	45	26591	83.27%
187	1	1626	187	18768	44	26996	84.54%
191	1	1627	191	18959	43	27172	85.09%
194	1	1628	194	19153	42	27301	85.50%
202	1	1629	202	19355	41	27637	86.55%
206	1	1630	206	19561	40	27801	87.06%
207	1	1631	207	19768	39	27841	87.19%
212	2	1633	424	20192	37	28036	87.80%
214	1	1634	214	20406	36	28110	88.03%
222	1	1635	222	20628	35	28398	88.93%
233	1	1636	233	20861	34	28783	90.14%
234	2	1638	468	21329	32	28817	90.24%
238	1	1639	238	21567	31	28945	90.65%
240	1	1640	240	21807	30	29007	90.84%
243	1	1641	243	22050	29	29097	91.12%
251	1	1642	251	22301	28	29329	91.85%
253	1	1643	253	22554	27	29385	92.02%
267	1	1644	267	22821	26	29763	93.21%
271	1	1645	271	23092	25	29867	93.53%
273	1	1646	273	23365	24	29917	93.69%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 5/8"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
281	1	1647	281	23646	23	30109	94.29%
282	1	1648	282	23928	22	30132	94.36%
291	1	1649	291	24219	21	30330	94.98%
293	1	1650	293	24512	20	30372	95.11%
297	1	1651	297	24809	19	30452	95.37%
310	1	1652	310	25119	18	30699	96.14%
316	1	1653	316	25435	17	30807	96.48%
317	1	1654	317	25752	16	30824	96.53%
327	1	1655	327	26079	15	30984	97.03%
348	1	1656	348	26427	14	31299	98.02%
354	1	1657	354	26781	13	31383	98.28%
359	1	1658	359	27140	12	31448	98.48%
363	1	1659	363	27503	11	31496	98.63%
365	1	1660	365	27868	10	31518	98.70%
367	1	1661	367	28235	9	31538	98.77%
373	1	1662	373	28608	8	31592	98.94%
374	1	1663	374	28982	7	31600	98.96%
396	1	1664	396	29378	6	31754	99.44%
398	1	1665	398	29776	5	31766	99.48%
407	1	1666	407	30183	4	31811	99.62%
419	1	1667	419	30602	3	31859	99.77%
428	1	1668	428	31030	2	31886	99.86%
448	1	1669	448	31478	1	31926	99.98%
454	1	1670	454	31932	0	31932	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 1"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
0	1	1	0	0	91	0	0.00%
1	0	1	0	0	91	91	2.37%
2	0	1	0	0	91	182	4.73%
3	0	1	0	0	91	273	7.10%
4	0	1	0	0	91	364	9.47%
5	3	4	15	15	88	455	11.83%
6	4	8	24	39	84	543	14.12%
7	6	14	42	81	78	627	16.31%
8	7	21	56	137	71	705	18.34%
9	5	26	45	182	66	776	20.18%
10	6	32	60	242	60	842	21.90%
11	3	35	33	275	57	902	23.46%
12	2	37	24	299	55	959	24.94%
13	2	39	26	325	53	1014	26.37%
18	1	40	18	343	52	1279	33.26%
20	1	41	20	363	51	1383	35.97%
21	1	42	21	384	50	1434	37.30%
27	1	43	27	411	49	1734	45.10%
30	3	46	90	501	46	1881	48.92%
31	2	48	62	563	44	1927	50.12%
32	1	49	32	595	43	1971	51.26%
35	2	51	70	665	41	2100	54.62%
36	2	53	72	737	39	2141	55.68%
37	2	55	74	811	37	2180	56.70%
38	2	57	76	887	35	2217	57.66%
39	3	60	117	1004	32	2252	58.57%
39	1	61	39	1043	31	2252	58.57%
40	1	62	40	1083	30	2283	59.38%
41	1	63	41	1124	29	2313	60.16%
42	3	66	126	1250	26	2342	60.91%
45	1	67	45	1295	25	2420	62.94%
48	1	68	48	1343	24	2495	64.89%
51	1	69	51	1394	23	2567	66.76%
53	1	70	53	1447	22	2613	67.96%
56	1	71	56	1503	21	2679	69.67%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 1"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
63	1	72	63	1566	20	2826	73.50%
64	2	74	128	1694	18	2846	74.02%
74	1	75	74	1768	17	3026	78.70%
82	1	76	82	1850	16	3162	82.24%
83	1	77	83	1933	15	3178	82.65%
110	2	79	220	2153	13	3583	93.19%
112	2	81	224	2377	11	3609	93.86%
115	1	82	115	2492	10	3642	94.72%
119	1	83	119	2611	9	3682	95.76%
120	1	84	120	2731	8	3691	95.99%
127	1	85	127	2858	7	3747	97.45%
136	1	86	136	2994	6	3810	99.09%
137	2	88	274	3268	4	3816	99.25%
138	1	89	138	3406	3	3820	99.35%
140	1	90	140	3546	2	3826	99.51%
149	1	91	149	3695	1	3844	99.97%
150	1	92	150	3845	0	3845	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 1" AND 5/8" (Customer billed for a 1" and 5/8" meters)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
109	1	1	109	109	1	218	92.37%
127	1	2	127	236	0	236	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 2"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
0	0	0	0	0	94	0	0.00%
1	0	0	0	0	94	94	0.28%
2	0	0	0	0	94	188	0.55%
3	2	2	6	6	92	282	0.83%
4	6	8	24	30	86	374	1.10%
5	1	9	5	35	85	460	1.36%
6	0	9	0	35	85	545	1.61%
7	0	9	0	35	85	630	1.86%
8	1	10	8	43	84	715	2.11%
9	0	10	0	43	84	799	2.36%
10	2	12	20	63	82	883	2.61%
12	2	14	24	87	80	1047	3.09%
13	1	15	13	100	79	1127	3.33%
15	1	16	15	115	78	1285	3.79%
16	1	17	16	131	77	1363	4.02%
17	1	18	17	148	76	1440	4.25%
18	1	19	18	166	75	1516	4.47%
19	3	22	57	223	72	1591	4.70%
20	1	23	20	243	71	1663	4.91%
21	2	25	42	285	69	1734	5.12%
23	1	26	23	308	68	1872	5.52%
24	2	28	48	356	66	1940	5.73%
26	1	29	26	382	65	2072	6.11%
27	4	33	108	490	61	2137	6.31%
29	3	36	87	577	58	2259	6.67%
30	2	38	60	637	56	2317	6.84%
31	3	41	93	730	53	2373	7.00%
33	4	45	132	862	49	2479	7.32%
35	3	48	105	967	46	2577	7.61%
36	3	51	108	1075	43	2623	7.74%
37	1	52	37	1112	42	2666	7.87%
38	1	53	38	1150	41	2708	7.99%
39	2	55	78	1228	39	2749	8.11%
40	1	56	40	1268	38	2788	8.23%
46	1	57	46	1314	37	3016	8.90%

K W Resort Utilities Corp

Docket No. : 150071-SU

Test Year Ended: December 31, 2014

Customer Class: General Service

Meter Size: 2"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
61	1	58	61	1375	36	3571	10.54%
87	1	59	87	1462	35	4507	13.30%
88	1	60	88	1550	34	4542	13.40%
98	1	61	98	1648	33	4882	14.41%
99	1	62	99	1747	32	4915	14.50%
101	2	64	202	1949	30	4979	14.69%
105	1	65	105	2054	29	5099	15.05%
109	1	66	109	2163	28	5215	15.39%
125	1	67	125	2288	27	5663	16.71%
132	1	68	132	2420	26	5852	17.27%
252	1	69	252	2672	25	8972	26.48%
455	1	70	455	3127	24	14047	41.45%
463	1	71	463	3590	23	14239	42.02%
523	1	72	523	4113	22	15619	46.09%
526	1	73	526	4639	21	15685	46.29%
547	1	74	547	5186	20	16126	47.59%
560	1	75	560	5746	19	16386	48.36%
615	1	76	615	6361	18	17431	51.44%
656	1	77	656	7017	17	18169	53.62%
664	1	78	664	7681	16	18305	54.02%
676	2	80	1352	9033	14	18497	54.59%
732	1	81	732	9765	13	19281	56.90%
822	1	82	822	10587	12	20451	60.35%
1536	1	83	1536	12123	11	29019	85.64%
1572	1	84	1572	13695	10	29415	86.81%
1747	1	85	1747	15442	9	31165	91.97%
1862	1	86	1862	17304	8	32200	95.03%
1884	1	87	1884	19188	7	32376	95.55%
1881	1	88	1881	21069	6	32355	95.48%
1899	1	89	1899	22968	5	32463	95.80%
1710	1	90	1710	24678	4	31518	93.01%
1999	1	91	1999	26677	3	32674	96.43%
2247	2	93	4494	31171	1	33418	98.62%
2714	1	94	2714	33885	0	33885	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 2" AND 5/8" (Customers billed base charge for a 2" and 5/8" meters)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills*	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
82	1	1	82	82	23	1968	31.22%
92	1	2	92	174	22	2198	34.87%
93	1	3	93	267	21	2220	35.22%
96	2	5	192	459	19	2283	36.22%
102	1	6	102	561	18	2397	38.03%
105	1	7	105	666	17	2451	38.89%
115	1	8	115	781	16	2621	41.58%
124	1	9	124	905	15	2765	43.87%
141	1	10	141	1046	14	3020	47.91%
152	1	11	152	1198	13	3174	50.36%
172	2	13	344	1542	11	3434	54.48%
281	1	14	281	1823	10	4633	73.50%
323	1	15	323	2146	9	5053	80.17%
328	1	16	328	2474	8	5098	80.88%
344	2	18	688	3162	6	5226	82.91%
394	1	19	394	3556	5	5526	87.67%
443	1	20	443	3999	4	5771	91.56%
484	1	21	484	4483	3	5935	94.16%
563	1	22	563	5046	2	6172	97.92%
619	1	23	619	5665	1	6284	99.70%
638	1	24	638	6303	0	6303	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 4" AND 5/8" (Customer billed base charge for a 4" and 5/8" meters)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
848	1	1	848	848	11	10176	80.88%
925	1	2	925	1773	10	11023	87.61%
972	2	4	1944	3717	8	11493	91.34%
1044	1	5	1044	4761	7	12069	95.92%
1066	1	6	1066	5827	6	12223	97.15%
1068	1	7	1068	6895	5	12235	97.24%
1071	1	8	1071	7966	4	12250	97.36%
1089	1	9	1089	9055	3	12322	97.93%
1110	1	10	1110	10165	2	12385	98.43%
1165	1	11	1165	11330	1	12495	99.31%
1252	1	12	1252	12582	0	12582	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 6" AND 1.5" (Customer billed base charge for a 6" and 1.5" meters)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
178	1	1	178	178	35	6408	32.36%
192	1	2	192	370	34	6898	34.83%
200	1	3	200	570	33	7170	36.21%
207	1	4	207	777	32	7401	37.38%
208	1	5	208	985	31	7433	37.54%
209	1	6	209	1194	30	7464	37.69%
211	1	7	211	1405	29	7524	38.00%
212	1	8	212	1617	28	7553	38.14%
235	1	9	235	1852	27	8197	41.39%
239	1	10	239	2091	26	8305	41.94%
240	1	11	240	2331	25	8331	42.07%
251	1	12	251	2582	24	8606	43.46%
477	1	13	477	3059	23	14030	70.85%
482	1	14	482	3541	22	14145	71.43%
485	1	15	485	4026	21	14211	71.77%
519	1	16	519	4545	20	14925	75.37%
548	1	17	548	5093	19	15505	78.30%
563	1	18	563	5656	18	15790	79.74%
565	1	19	565	6221	17	15826	79.92%
567	1	20	567	6788	16	15860	80.09%
601	1	21	601	7389	15	16404	82.84%
641	1	22	641	8030	14	17004	85.87%
682	1	23	682	8712	13	17578	88.77%
686	1	24	686	9398	12	17630	89.03%
754	1	25	754	10152	11	18446	93.15%
769	1	26	769	10921	10	18611	93.99%
778	2	28	1556	12477	8	18701	94.44%
851	1	29	851	13328	7	19285	97.39%
855	1	30	855	14183	6	19313	97.53%
869	1	31	869	15052	5	19397	97.95%
884	1	32	884	15936	4	19472	98.33%
922	1	33	922	16858	3	19624	99.10%
944	1	34	944	17802	2	19690	99.43%
948	1	35	948	18750	1	19698	99.47%
1052	1	36	1052	19802	0	19802	100.00%

K W Resort Utilities Corp

Docket No. : 150071-SU

Test Year Ended: December 31, 2014

Customer Class: General Service

Meter Size: 8" Turbo

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
43	1	1	43	43	11	516	5.09%
681	1	2	681	724	10	7534	74.31%
685	1	3	685	1409	9	7574	74.71%
715	1	4	715	2124	8	7844	77.37%
729	1	5	729	2853	7	7956	78.48%
734	1	6	734	3587	6	7991	78.82%
744	1	7	744	4331	5	8051	79.41%
804	1	8	804	5135	4	8351	82.37%
824	1	9	824	5959	3	8431	83.16%
826	1	10	826	6785	2	8437	83.22%
842	1	11	842	7627	1	8469	83.54%
2511	1	12	2511	10138	0	10138	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: 2" AND 8" (Customer billed base charge for a 2" and 8" meters)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
139	1	1	139	139	11	1668	74.73%
149	1	2	149	288	10	1778	79.66%
151	1	3	151	439	9	1798	80.56%
165	1	4	165	604	8	1924	86.20%
174	1	5	174	778	7	1996	89.43%
183	1	6	183	961	6	2059	92.25%
191	1	7	191	1152	5	2107	94.40%
207	2	9	414	1566	3	2187	97.98%
217	2	11	434	2000	1	2217	99.33%
232	1	12	232	2232	0	2232	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: General Service

Meter Size: Flat Rate -Swimming Pools

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt.	Number of	Cumulative	Gallons Consumed	Cumulative	Reversed	Consolidated	Percentage
Level	Bills	Bills	(1) x (2)	Gallons	Bills	Factor	of Total
0	48	48	0	0	0	0	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: NONE

Meter Size: Flat Rate

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt.	Number of	Cumulative	Gallons	Cumulative	Reversed	Consolidated	Percentage
Level	Bills	Bills	(1) x (2)	Gallons	Bills	Factor	of Total
0	12	12	0	0	0	0	100.00%

**K W Resort Utilities Corp**

**Docket No. : 150071-SU**

**Test Year Ended: December 31, 2014**

Customer Class: REUSE

Meter Size: NA

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Consumpt. Level	Number of Bills	Cumulative Bills	Gallons		Reversed Bills	Consolidated Factor	Percentage of Total
			Consumed (1) x (2)	Cumulative Gallons			
86	1	1	86	86	23	2064	2.85%
99	2	3	198	284	21	2363	3.26%
190	1	4	190	474	20	4274	5.90%
298	1	5	298	772	19	6434	8.88%
301	1	6	301	1073	18	6491	8.96%
346	2	8	692	1765	16	7301	10.08%
350	1	9	350	2115	15	7365	10.17%
476	2	11	952	3067	13	9255	12.78%
671	1	12	671	3738	12	11790	16.28%
1705	1	13	1705	5443	11	24198	33.41%
2752	1	14	2752	8195	10	35715	49.31%
4355	2	16	8710	16905	8	51745	71.45%
4473	1	17	4473	21378	7	52689	72.75%
5981	1	18	5981	27359	6	63245	87.33%
6054	2	20	12108	39467	4	63683	87.93%
7658	1	21	7658	47125	3	70099	96.79%
7687	1	22	7687	54812	2	70186	96.91%
8567	1	23	8567	63379	1	71946	99.34%
9044	1	24	9044	72423	0	72423	100.00%

CLASS A and B  
WASTEWATER UTILITIES

FINANCIAL, RATE  
AND ENGINEERING  
MINIMUM FILING  
REQUIREMENTS

OF

KW RESORT UTILITIES CORP

Exact Legal Name of Utility  
Docket No.: 150071-SU

VOLUME III



FOR THE

Test Year Ended: December 31, 2014

## VEHICLES

KWRU

YEAR	MAKE	DRIVER	VIN#	Original Cost	
2008	FORD F150	Mark Burkemper	1FTRF122X8KF05067	\$ 16,895.71	On Call
1997	DODGE TRUCK	FLEET	3B7KC23W6VM581925	\$ 4,500.00	
1996	GMC SIERRA	FLEET	1GDKC34F8TJ513071	\$ 6,010.00	
2006	FORD F150	John Walsh	1FTRF12246NA05031	\$ 19,038.32	On Call
1998	Ford PICKUP	FLEET	1FTZF1721WNA81265	\$ 5,500.00	
2004	CHEVY PICKUP	FLEET	1GCCS198X48205760	\$ 6,000.00	
2012	CHEVY 1500	Chris Johnson	1GCRCPEX7CZ310966	\$ 27,339.00	On Call
2007	Ford F250	Matt Pellerito	1FTNF20527EB31942	\$ 11,730.00	On Call
2011	DODGE RAM	Greg Wright	3D7JB1EK9BG538652	\$ 12,000.00	On Call
2003	JET RODDER TRAILER	FLEET	1U9FS13103A044218	\$ 25,000.00	
1993	HOOP TRAILERW/ GENERATOR	FLEET	1H9FB183010472764	\$ 2,000.00	
		FLEET		\$ 5,000.00	
2003	HOMEMAKE TRAILER	FLEET	NOV1N0200844241	\$ 275.00	



## CUSTOMER COMPLAINTS



## KW Resort Utilities Corp

6630 Front Street  
Key West, FL 33040  
305.295.3301  
FAX 305.295.0143  
www.kwru.com

25-30.440 Additional Engineering Information Required Class A WW Utilities in an Application for Rate Increase.

(10)

There was a PSC Billing Inquiry made by Account BG001 (Key West Botanical Garden Society) to the PSC. The issue was that the Botanical Garden management didn't accept how inactive meters were billed versus abandoned meters. The PSC logged the inquiry on October 14, 2014 and KW Resort Utilities responded by providing the PSC Tariff along with an explanation of billing on November 4, 2014. After KW Resort Utilities provided this response the Key West Botanical Garden Society never responded to the PSC. Then after allowing the mandatory 15 days for the Key West Botanical Garden Society to reply the PSC then formally closed the Inquiry on November 24, 2014.

Quick Search:

Home > Utility Regulations > Complaint Activity Tracking System > Search Results

PSC Site Map

- Home > Site Map
- Facts on PSC Orders and Decisions
- Electric and Natural Gas
- Telecommunications
- Water and Sewerage
- Consumer Activity Tracking System
- Environmental Law
- PSC Files at DUS website
- Corporate Program by the PSC
- Local Interconnection Agreements
- Utility Annual Reports
- Other Links

Company Name: R. W. Tiesse Utilities Corp.  
 Service Complaints from 1/17/2014 to 12/31/2014  
 (0 Complaints Found)

No Matching Records!

Service Complaints

## CHEMICALS USED

**G. DISINFECTION (calculations based on four chlorine contact chambers in two basins)**

The Chlorine Contact Chamber is required to provide a minimum contact period of 15 minutes at design peak hourly flow or the maximum pumping rate. The facility has flow equalization, which will result in using a peaking factor of 1.5 instead of 4.

Detention time =  $V/Q$

Volume = 11,489 gal per basin, 5,745 gal per chamber, 22,978 gal total

Flow =  $Q_{PHF} = 1,273,500$  gpd or 885 gpm or 53,063 gph

$\Theta = V/Q \quad \Theta = 0.25$  hr,

$V_{REQUIRED} = (0.25 \text{ hr})(53,063 \text{ gph}) = 13,266$  gal

22,978 gal > 13,266 gal therefore size is Adequate

@ 75% Operation (1 of 4 chambers off line) = 17,234 gal > 13,266 gal

22,978 gal/53,063 gph = 26 min. detention time with all 4 in service.

17,234 gal/53,063 gph = 19.5 min. detention time with 3 of 4 in service.

**H. SODIUM HYPOCHLORITE SYSTEM**

1 pound per day (ppd) chlorine gas = 1 gpd of 12.5% Trade NaOCl

Min. Total Residual Chlorine (TRC) = 1.0 mg/L

Avg. chlorine ppd in recent years (based on 0.343 MGD Flow) = 38.8 ppd

$Cl_2$  Dosage =  $(38.8 \text{ ppd}) / ((8.34 \text{ lb/day}) / (0.343 \text{ MGD})) = 14$  mg/L

$Cl_2$  Dosage rate, in ppd for design flow =  $(.849 \text{ MGD})(8.34 \text{ lb/gal})(14 \text{ mg/L}) = 99.2$  ppd

Gallons of 12.5% NaOCl needed per day =  $(99.2 \text{ ppd } Cl_2)(1 \text{ gpd } 12.5\% \text{ NaOCl} / 1 \text{ ppd } Cl_2)$   
= 99.2 gal/day

With 1.5 safety factor =  $(99.2 \text{ gal/day})(1.5) = 148.8$  gal/day

Min. Tank size needed:  $(148.8 \text{ gal/day})(15^{**} \text{ days}) = 2,500$  gal

Tank will be opaque for UV protection and rated for exterior use

\* Dosage rate based on average feed rate of chlorine gas needed to satisfy chlorine demand and maintain desired TRC.

\*\* Due to short shelf life of the sodium hypochlorite solution, a tank that allows for only 15 days of storage will be used instead of 30 days to prevent degradation of the sodium hypochlorite solution.

### I. PHOSPHORUS REMOVAL

ALUM	$\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$
ALUM STRENGTH	48.5 %
DENSITY OF ALUM SOL'N	11.2 lb/gal
MOLECULAR WT. OF ALUM	594.0
MOLECULAR WT. OF ALUMINUM	26.98
MOLECULAR WEIGHT OF P	30.97

STEP 1 WEIGHT OF ALUMINUM REQUIRED PER UNIT OF PHOSPHORUS

A. THEORETICAL DOSAGE 1 MOLE AL PER 1 MOLE P  
 ALUMINUM REQUIRED = (MW AL/MW P)  
 = (26.98/30.97)  
 = **0.87 lb AL/lb P**

STEP 2 WEIGHT OF ALUMINUM AVAILABLE PER GALLON OF ALUM

A. Weight of alum per gallon of solution  
 =  $0.485 \times 11.2 \text{ lb/gal} = 5.43 \text{ lb/gal}$

B. Weight of Aluminum per gallon  
 =  $5.43 \text{ lb/gal} \times (2 \times 26.98/594.0) = 0.493 \text{ lb/gal}$

STEP 3 POUNDS OF P IN INFLUENT  
 =  $\text{mg/L P} \times \text{FLOW, MGD} \times 8.34$   
 =  $8 \times 0.849 \times 8.34$   
 = **56.6 lbs influent phosphorus**

STEP 4 AMOUNT OF ALUM SOLUTION REQUIRED PER LB OF PHOSPHORUS

Alum Dosage =  $(0.87 \text{ lb AL/lb P}) \times (1 \text{ GAL ALUM SOL}/0.493 \text{ lb AL})$   
 =  $1.76 \text{ GAL ALUM SOLUTION/lb P}$   
 =  $1.76 \times 28.3 \text{ lb}$   
 = **49.8 gallons of alum solution required for 0.849 MGD facility capacity**

Since significant biological uptake of phosphorus occurs in the activated sludge process, the clarifier influent will have significantly less than the 8 mg/l used in the dosing calculations, providing a safety factor in the designed dosing rate.

Min. tank size needed:  $(49.8 \text{ gal/day}) (30 \text{ days}) = 1,494 \text{ gal tank}$

Tank will be opaque for UV protection and rated for exterior use

**J. GLYCERIN**

Solution used will be 70% Glycerin as provided by manufacturer

Glycerin BOD: 870,000 mg/L

7 lb BOD = 1 gal Glycerin

Dissolved Oxygen (D.O.) going into anoxic zone = 2 mg/L

Influent  $\text{NH}_4$  = 40 mg/L

$\text{NH}_4$  to  $\text{NO}_3$  =  $(62/17)(40 \text{ mg/l}) = 146 \text{ mg/L NO}_3$

Oxygen present =  $(\frac{16 \times 3}{62})(146 \text{ mg/L}) + 2(8.34 \text{ lb/gal})(0.849 \text{ MGD}) = 814 \text{ lbs/day}$

Glycerin solution needed per day:  $(814 \text{ lb D.O.}) / (7 \text{ lb/gal glycerin}) = 116.3 \text{ gal/day}^*$

Min. tank size needed:  $(116.3 \text{ gal/day}) \times (15 \text{ days}) = 1744.50 \text{ gal}$

\* There is no safety factor being used for glycerin need because the tanks have been oversized to allow for endogenous decay which provides an additional carbon source.

**K. ALKALINITY DOSING**

Strength	50%
Density of Solution	12.76 lb/gallon
Molecular Weight NaOH	39.997
Molecular Weight Na	22.98
Molecular Weight OH	17.00

Weight of NaOH =  $0.5 \times 12.76 \text{ lb/gal}$   
= 6.38 lbs lb/gal

OH per gallon =  $6.38 \times (17.00/39.997)$   
= 2.71 lbs

Pounds of  $\text{NH}_4$  per day =  $(40 \text{ mg/L})(8.34 \text{ lb/gal})(0.849 \text{ MGD})$   
= 283 lbs

Pounds of  $\text{CaCO}_3$  needed per day =  $(283 \text{ lbs})(7.07 \text{ lbs CaCO}_3 / \text{lb NH}_4)$   
= 2,001 lbs

Pounds of  $\text{H}_2\text{O}$  per day =  $(120 \text{ mg/L})(8.34 \text{ lb/gal})(0.849 \text{ MGD})$   
= 850 lbs

Pounds of  $\text{CaCO}_3$  added per day =  $2001 - 850 = 1,151 \text{ lbs}$

Milliequivalent weights of  $\text{CaCO}_3$ : 50 mg/meq  
NaOH: 40 mg/meq

Pounds of NaOH per day =  $(40/50)(1,151 \text{ lbs}) = 921 \text{ lbs}$

During nitrification/denitrification in aeration basins there is release of some alkalinity so no safety factor will be used

Min. tank size needed:  $((921 \text{ lbs} \cdot 2) / (12.76 \text{ lb/gal})) \cdot 30 \text{ days} = 4,331 \text{ gal}$

Tank will be opaque for UV protection and rated for exterior use

The theoretical dose is 1 mole NaOH per 1 mg/L alkalinity. The above calculations are based on assumptions regarding the alkalinity concentration needed and may change accordingly. All chemical feed pumps will be sized to accommodate any variables encountered.

Dumont

Unit Price Cost Per Gallon	Annual Total Chem (gals)	GPD of Chem Required .550MGD	Annual Cost .550MGD	GPD of Chem Required .850MGD
\$ 1.35	35143.1	96.28	\$ 47,443.13	148.8
\$ 2.74	34009.4	93.18	\$ 93,185.79	144
\$ 3.45	27396.5	75.06	\$ 94,517.82	116
\$ 2.65	11808.8	32.35	\$ 31,293.38	50

Determination ACTUAL	2014 Actual Other Chemicals	Other Chemicals .550 MGD	Other Chemicals .850 MGD
total chem 2014	\$ 32,330.08		
less cl2 2014	\$ 26,256.00		
yields other chems	\$ <b>6,074.08</b>	\$ 7,262.49	\$ 11,223.84

Annual Cost .850MGD	
------------------------	--

\$	73,321.20
----	-----------

\$	144,014.40
----	------------

\$	146,073.00
----	------------

\$	48,362.50
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# OPERATIONS REPORT

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
 R-001  
 reuse storage golf course pond and irrigation system, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

From: December 1, 2013 To: December 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.162						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.098						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.009						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.2				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EPA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EPA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	01-21-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):



## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: December 1, 2013 To: December 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	
pH PARM Code 00400 A Mon. Site No. EFA-001	Sample Measurement				7.0	7.2				
	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-001	Sample Measurement				1.5					
	Permit Requirement				1.0 (Min.)		mg/L		Continuous	Meter
Turbidity PARM Code 00070 B Mon. Site No. EFB-001	Sample Measurement					1.7				
	Permit Requirement					Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL PARM Code 50050 R Mon. Site No. FLW-001	Sample Measurement		.416							
	Permit Requirement		0.499 (An.Avg.)	MGD					5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C PARM Code 80082 Y Mon. Site No. EFA-001	Sample Measurement					1.28				
	Permit Requirement					20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C PARM Code 80082 A Mon. Site No. EFA-001	Sample Measurement				<2.0	0.5				
	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Flow - TOTAL PARM Code 50050 S Mon. Site No. FLW-001	Sample Measurement	.363	.415							
	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD					5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100 PARM Code 00180 I Mon. Site No. FLW-001	Sample Measurement					83%				
	Permit Requirement					Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent) PARM Code 80082 G Mon. Site No. INF-001	Sample Measurement					203.5				
	Permit Requirement					Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent) PARM Code 00530 Q Mon. Site No. INF-001	Sample Measurement					186				
	Permit Requirement					Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

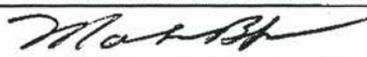
COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: December 1, 2013 To: December 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.245							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.256							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.28					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2.0	1.0	1.0			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.55					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			0.5					
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	01-21-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: December 1, 2013 To: December 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				18.46					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			18.10	16.6	16.6				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				5.66					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			5.78	5.59	5.59				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity

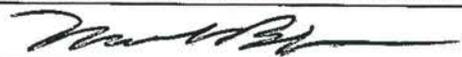
REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: December 1, 2013 To: December 31 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	6.1						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo.Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	01-21-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: December 1, 2013 To: December 31, 2013

Code	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.383	.383	0.0	0.0							
2	.383	.383	0.0	0.0	2.0	7.2	1.0				
3	.409	.409	0.0	0.0	1.6	7.1	0.9	203.50	186.00	<2.0	<0.5
4	.384	.384	0.0	0.0	3.0	7.1	1.7				
5	.405	0.0	.389	.016	3.0	7.0	1.1				
6	.378	.378	0.0	0.0	2.8	7.1	0.8				
7	.365	.365	0.0	0.0	1.1	7.1	0.8				
8	.365	.365	0.0	0.0							
9	.365	.365	0.0	0.0	1.1	7.1	1.2				
10	.358	0.0	.323	.035	3.1	7.0	1.1				
11	.389	0.0	.369	.020	1.8	7.1	0.8				
12	.359	.359	0.0	0.0	1.8	7.2	0.8				
13	.350	.350	0.0	0.0	2.3	7.2	0.9				
14	.351	.219	.116	.016	3.3	7.0	0.9				
15	.361	.361	0.0	0.0							
16	.360	.360	0.0	0.0	3.3	7.0	0.9				
17	.357	0.0	.314	.043	1.5	7.0	1.0	174.00	74.00	<2.0	<0.5
18	.316	.316	0.0	0.0	1.6	7.1	1.2				
19	.340	.213	.114	.013	2.3	7.2	1.1				
20	.339	0.0	.309	.030	1.6	7.2	1.1				
21	.323	.202	.111	.010	0.8/1.5	7.0	0.8				
22	.347	.347	0.0	0.0							
23	.347	.347	0.0	0.0	1.9	7.2	1.1				
24	.411	0.0	.380	.031	1.5	7.0	0.8				
25	.316	0.0	.275	.041	3.3	7.0	0.7				
26	.344	.344	0.0	0.0	5.0	7.0	0.6				
27	.354	.354	0.0	.0.0	1.5	7.0	0.6				
28	.398	.398	0.0	0.0	2.0	7.1	0.6				
29	.360	.360	0.0	0.0							
30	.361	.361	0.0	0.0	0.6	7.1	0.5				
31	.380	0.0	.345	.035	1.6	7.2	0.5				
Total	11.258	7.923	3.045	0.29	55.4	184.3	23.5	377.5	260.00	2.0	0.5
Mo. Avg.	0.363	0.256	.098	0.009	2.13	7.08	0.90	188.8	130.00	1.0	<0.5

**RECEIVED**  
**JAN 24 2014**  
**D.E.P. Marathon**

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: December 1, 2013 To December 31, 2013

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2	<0.5	<1						
3	<0.5	<1	18.10	5.40				
4	2.6	<1						
5	1.0	<1						
6								
7								
8								
9	1.0	<1						
10	<0.5	<1						
11	<0.5	<1						
12	2.2	<1						
13								
14								
15								
16	1.0	<1						
17	1.4	<1	15.10	5.78				
18	2.6	<1						
19	2.2	<1						
20								
21								
22								
23	<0.5	<1						
24								
25								
26								
27								
28								
29								
30	<0.5	<1						
31								
<b>Total</b>	15.5	14	33.2	11.18				
<b>Mo. Avg.</b>	1.11	<1	16.6	5.59				

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Night Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
**MONITORING PERIOD** From: November 1, 2013 To: November 30, 2013

Final  
 N/A  
 R-001  
 reuse storage golf course pond and irrigation system, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - <b>POND</b>	Sample Measurement	.182						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.420 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - <b>POND</b>	Sample Measurement	.125						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - <b>MCDC</b>	Sample Measurement	.011						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.009 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			1.0				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	12-19-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: -November 1, 2013 To: November 30, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.9		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						1.1				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement	.420									
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement	0.499 (An.Avg.)		MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2.0	0.5	1.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.382	.440								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						90%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						224				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						235				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

DEC 2 3 2013  
D.A.A. [Signature]

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: November 1, 2013 To: November 30, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement	.257						
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.281 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement	0.246						
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.28				
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2.0	1.0	1.0		
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks
Solids, Total Suspended	Sample Measurement			1.75				
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.67	1.0	0.96		
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	12.19.2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: November 1, 2013 To: November 30 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1						
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)			#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1					
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)		#/100mL		Every 2 weeks	Grab
pH	Sample Measurement				6.9	7.2					
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)	8.5 (Max.)		s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				19.90						
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			24.80	10.75	21.5					
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement				Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				5.10						
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			5.4	2.08	4.17					
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement				Repor(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: November 1, 2013 To: November 30, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement		3.7								
PARAM Code B0008 Mon. Site No. RMP-1	Permit Requirement		Report (Mo. Total)	dry tons					0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	12-19-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DEC 19 2013  
 12-19-2013

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: November 1, 2013 To: November 30, 2013

Code	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	0.445	0.445	0.0	0.0	1.1	7.2	0.6				
2	0.341	0.341	0.0	0.0	1.5/0.8	7.2	0.5				
3	0.349	0.349	0.0	0.0	0	0	0				
4	0.348	0.348	0.0	0.0	2.0	7.2	0.4				
5	0.326	0.0	0.297	0.029	2.7	7.1	0.6	175.29	235.00	<2.0	<0.5
6	0.284	0.0	0.262	0.022	3.7	7.1	0.4				
7	0.353	0.0	0.331	0.022	2.6	7.1	0.3				
8	0.364	0.364	0.0	0.0	1.0	7.2	0.8				
9	0.357	0.0	0.324	0.033	2.2	7.1	1.3				
10	0.341	0.341	0.0	0.0	0	0	0				
11	0.341	0.341	0.0	0.0	0.8	7.1	0.4				
12	0.347	0.0	0.318	0.029	2.5	7.2	0.5				
13	0.387	0.0	0.367	0.020	5.0	7.0	0.3				
14	0.360	0.0	0.338	0.22	4.4	7.0	0.2				
15	0.320	0.0	0.294	0.026	4.2	7.0	0.8				
16	0.388	0.388	0.0	0.0	1.6	7.0	0.2				
17	0.399	0.399	0.0	0.0	0	0	0				
18	0.399	0.399	0.0	0.0	1.1	7.0	0.9				
19	0.391	0.0	0.357	0.034	1.6	7.1	0.7	224.00	213.00	<2.0	1.67
20	0.385	0.385	0.0	0.0	2.0	7.0	0.7				
21	0.379	0.0	0.347	0.032	3.0	7.0	1.0				
22	0.357	0.357	0.0	0.0	3.5	7.0	0.6				
23	0.375	0.0	0.340	0.035	1.5/0.6	7.0	0.5				
24	0.354	0.354	0.0	0.0	0	0	0				
25	0.355	0.355	0.0	0.0	2.2	7.1	0.7				
26	0.426	0.426	0.0	0.0	2.5	7.1	1.2				
27	0.568	0.568	0.0	0.0	0.8	6.9	0.6				
28	0.621	0.414	0.0	0.012	2.8	6.9	0.4				
29	0.417	0.417	0.0	0.0	2.7	6.9	0.4				
30	0.381	0.381	0.0	0.0	2.4	7.0	1.1				
31											
<b>Total</b>	11.458	7.372	3.770	0.316	59.8	183.9	16.3	399.2	488	2.0	1.92
<b>Mo. Avg.</b>	0.382	0.246	0.125	0.011	2.3	7.1	0.62	199.6	224	1.0	0.96

**PLANT STAFFING:**

Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: November 1, 2013 To: November 30, 2013

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2								
3								
4	<0.5	<1						
5	<0.5	<1	18.20	5.4				
6	1.8	<1						
7	1.2	<1						
8								
9								
10								
11	2.8	<1						
12	2.6	<1						
13	1.8	<1						
14	<0.5	<1						
15								
16								
17								
18	<0.5	<1						
19	<0.5	<1	24.80	2.94				
20	1.6	<1						
21	<0.5	<1						
22								
23								
24								
25	1.2	<1						
26	<0.5	<1						
27	<0.5	<1						
28								
29								
30								
31								
<b>Total</b>	15.0	15.0	43.0	8.34				
<b>Mo. Avg.</b>	1.2	0.0	21.5	4.17				

**PLANT STAFFING:**

Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: October 1, 2013 To: October 31, 2013

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.157						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.206						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.009 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.34				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement		100%					
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement		75 (Mo.Total)		percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	11-22-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

NOV 23 2013  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: October 1, 2013 To: October 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement	.485									
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement	0.499 (An.Avg.)		MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.12						
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				2.05	1.53	1.53				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.499	.422								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						90%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						366				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						422				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: October 1, 2013 To: October 31, 2013

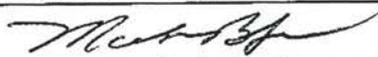
REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement	.246						
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.281 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement	.281						
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.20				
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement			2.05	153	1.53		
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement				1.61			
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			2.34	1.30	1.28		
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	11-22-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

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DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: October 1, 2013 To: October 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				22.02					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			18.10	20.61	16.50				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.98					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			6.41	5.08	6.23				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: October 1, 2013 To: October 31, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	5.8						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	11-22-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
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## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP

 Monitoring Period From: October 1, 2013 To: October 31, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	0.418	0.0	0.386	0.32	2.8	7.0	0.8				
2	0.465	0.0	0.465	0.0	2.9	7.1	0.8				
3	0.391	0.33	0.337	0.021	.5	7.1	2.0				
4	0.605	0.378	0.213	0.14	2.1	7.0	1.1				
5	0.511	0.541	0.0	0.0	1.0	7.1	1.0				
6	0.502	0.502	0.0	0.0							
7	0.501	0.501	0.0	0.0	2.5	7.1	0.8				
8	0.505	0.0	0.471	0.034	2.6	7.1	0.6				
9	0.469	0.460	0.460	0.009	2.9	7.2	0.7				
10	0.479	0.0	0.446	0.033	3.3	7.1	2.0				
11	0.462	0.462	0.0	0.0	1.4	7.1	0.7	263.53	249.00	2.05	2.34
12	0.488	0.488	0.0	0.0	0.8	7.1	0.6				
13	0.487	0.487	0.0	0.0							
14	0.487	0.487	0.0	0.0	0.8	7.0	0.4				
15	0.501	0.042	0.423	0.036	.15/0.6	7.1	0.6				
16	0.522	0.196	0.302	0.024	0.7/1.5	7.1	0.4				
17	0.583	0.523	0.0	0.0	0.5	7.0	0.3				
18	0.515	0.0	0.482	0.033	1.6	7.1	0.4				
19	0.537	0.0	0.512	0.025	1.5	7.0	0.5				
20	0.519	0.519		0.0							
21	0.519	0.519	0.0	0.0	2.7	7.2	0.5				
22	0.528	0.0	0.495	0.033	2.5	7.1	0.2				
23	0.499	0.0	0.474	0.025	2.8	7.1	0.4	365.88	422.00	1.0	0.25
24	0.490	0.490	0.0	0.0	3.2	7.2	0.3				
25	0.594	0.594	0.0	0.0	0.6	7.1	1.3				
26	0.465	0.465	0.0	0.0	0.8	7.0	0.3				
27	0.475	0.475	0.0	0.0							
28	0.475	0.475	0.0	0.0	4.5	7.2	0.3				
29	0.529	0.0	0.495	0.034	3.2	7.1	0.3				
30	0.539	0.539	0.0	0.0	2.2	7.1	0.4				
31	0.455	0.0	0.423	0.032	3.4	7.1	0.4				
Total	15.485	8.716	6.384	.385	54.5	191.5	18.1	629.41	671	3.05	2.59
Mo. Avg.	.499	.281	.206	.012	2.02	7.09	0.67	314.7	333.5	1.53	1.30

**PLANT STAFFING:**

Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: October 1, 2013 To: October 31, 2013

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Code	00530	74055	00600	00665					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1	<0.5	<1							
2	<0.5	<1							
3	<0.5								
4									
5									
6									
7	<0.5	<1							
8	<0.5	<1							
9	1.8	<1							
10	<0.5	<1							
11			14.90	6.04					
12									
13									
14	<0.5	<1							
15	<0.5	<1							
16	1.6	<1							
17	<0.5	<1							
18									
19									
20									
21	<0.5	<1							
22	3.6	<1	18.10	6.41					
23	<.5	<1							
24	1.4	<1							
25									
26									
27									
28	<0.5	<1							
29	<0.5	<1							
30	<0.5	<1							
31	<0.5	<1							
<b>Total</b>	12.15	19	33	12.45					
<b>Mo. Avg.</b>	0.64	<0.0	16.5	6.23					

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 NOV 25 2013  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

**PLANT STAFFING:**

Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

From: September 1, 2013 To: September 30, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.157						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.208						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.009						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			1.8				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			.50 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			0.5				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			.25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	10/24/2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: September 1, 2013 To: September 30, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						1.9				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.411								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.452	.433								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Ql.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						90%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						233				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						187				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
MAILING ADDRESS: 6630 Front Street  
Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
CLASS SIZE: N/A  
MONITORING GROUP NUMBER: U-001  
MONITORING GROUP DESCRIPTION: two Class V injection wells  
RE-SUBMITTED DMR:   
NO DISCHARGE FROM SITE:   
MONITORING PERIOD From: September 1, 2013 To: September 30, 2013

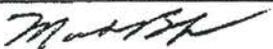
REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
LOCATION: 6630 Front St., Stock Island  
Key West, FL 33045

COUNTY: Monroe  
OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.245							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.233							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2	<2	<2			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			2.93					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			2.33	2.33	1.29			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	10/24/2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
OCT 28 2013  
D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: September 1, 2013 To: September 30, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				22.02					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			16.8	16.8	15.2				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.98					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr PPC
Phosphorus, Total (as P)	Sample Measurement			5.45	5.45	4.87				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

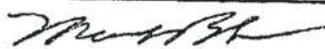
COUNTY: Monroe  
 South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: September 1, 2013 To: September 30, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	4.0						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo.Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	10/24/2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:

## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP

 Monitoring Period From: September 1, 2013 To: September 30, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.393	.393									
2	.393	.393			3.2	7.1	1.8				
3	.421		.401	.020	1.6	7.2	1.9				
4	.553		.541	.012	1.6	7.0	1.8				
5	.512		.483	.029	1.7	7.1	1.8				
6	.430		.430		2.5	7.2	0.9				
7	.436		.403	.033	1.7	7.1	1.1				
8	.448	.448									
9	.448	.448			0.9	7.1	1.0				
10	.450	.450			3.0	7.2	0.9	233	187	<2.0	2.33
11	.449		.415	.034	1.5	7.1	0.8				
12	.419	.419			1.1	7.1	0.7				
13	.444	.444			1.0	7.1	0.7				
14	.413	0.078	.300	.035	0.9/1.5	7.0	0.7				
15	.416	.416									
16	.442	.442			0.8	7.0	0.7				
17	.608	.368	.228	.012	0.5/1.5	7.1	0.7				
18	.546		.540	.006	1.5	7.1	0.7				
19	.523		.523		2.5	7.1	0.8				
20	.527		.495	.032	1.5	7.2	0.8				
21	.421	.421			0.9	7.1	0.8				
22	.445	.445									
23	.445	.445			0.6	7.0	0.8				
24	.436		.404	.032	3.2	7.1	0.9	160	166	<2.0	<0.5
25	.404	.269	.124	.011	2.4	7.1	0.8				
26	.440		.412	.028	3.4	7.0	0.8				
27	.439	.293	.135	.011	2.4	7.0	0.8				
28	.426		.399	.027	1.8	7.1	0.8				
29	.417	.417									
30	.417	.417			3.0	7.1	0.8				
31											
Total	13.561	7.006	6.233	.322	45.2	177.3	24.3	393	353	2.0	2.58
Mo. Avg.	.452	.233	.208	.011	1.8	7.1	0.9	196.5	176.5	1.0	1.29

**PLANT STAFFING:**

Day Shift Operator

 Class: C Certificate No: 20501 Name: Greg Wright

Night Shift Operator

 Class: C Certificate No: 21394 Name: Robert Bellino

Night Shift Operator

Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Lead Operator

 Class: B Certificate No: 5355 Name: Mark Burkemper

ISSUANCE/REISSUANCE DATE: February 20, 2012

DEP Form 62-620.910(10), Effective Nov. 29, 1994

### DAILY SAMPLE RESULTS - PART B

Permit Number: **FLA014951-011-DW2P**

Facility: **Key West Resort Utility WWTP**

Monitoring Period From: September 1, 2013 To: September 30, 2013

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
00530	74055	00600	00665						
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1									
2									
3	<.5	<1							
4	<.5	<1							
5	<.5	<1							
6									
7									
8									
9	<.5	<1							
10	<.5	<1	13.60	5.45					
11	<.5	<1							
12	<.5	<1							
13									
14									
15									
16	<.5	<1							
17	<.5	<1							
18	<.5	<1							
19	<.5	<1							
20									
21									
22									
23	<.5	<1							
24	<.5	<1	16.80	4.29					
25	1.8	<1							
26	<.5	<1							
27									
28									
29									
30	<.5	<1							
31									
<b>Total</b>	5.55	8	30.4	9.74					
<b>Mo. Avg.</b>	.035	0.5	15.2	4.87					

**PLANT STAFFING:**

Day Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Night Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

reuse storage golf course pond and irrigation system, with Influent

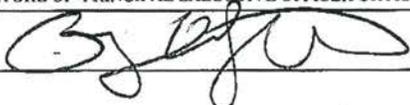
Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

From: August 1, 2013 To: August 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.152						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.222						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.009						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			11.8				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			0.5				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement		100%					
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement		75 (Mo.Total)		percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Greg Wright / Operations Coordinator		(305)295-3301	09/25/2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

8-22-13 11.8 TSS was reported, but all effluent was sent to the wells

RECEIVED  
 SEP 26 2013  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: August 1, 2013 To: August 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						1.9				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement	.401									
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement	0.499 (An.Avg.)		MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.406	.422								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						81%				
PARM Code 00180 1 Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						196.52				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						190				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

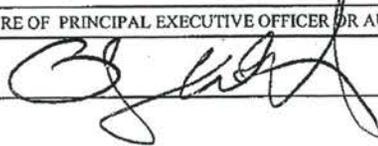
LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: August 1, 2013 To: August 31, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.240							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.171							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2	<2	<2			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			4.07					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			2	2	1.12			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Greg Wright / Operations Coordinator		(305)295-3301	09/25/2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: August 1, 2013 To: August 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal PARM Code 74055 Y Mon. Site No. EFA-001	Sample Measurement				1					
	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal PARM Code 74055 A Mon. Site No. EFA-001	Sample Measurement				1	1				
	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH PARM Code 00400 A Mon. Site No. EFA-001	Sample Measurement			7.0		7.2				
	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-001	Sample Measurement			0.5						
	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total PARM Code 00600 Y Mon. Site No. EFA-001	Sample Measurement				23.72					
	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total PARM Code 00600 A Mon. Site No. EFA-001	Sample Measurement			14.9	14.9	12.12				
	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P) PARM Code 00665 Y Mon. Site No. EFA-001	Sample Measurement				4.96					
	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P) PARM Code 00665 A Mon. Site No. EFA-001	Sample Measurement			6.72	6.72	6.5				
	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
 RMP-Q  
 Biosolids Quantity

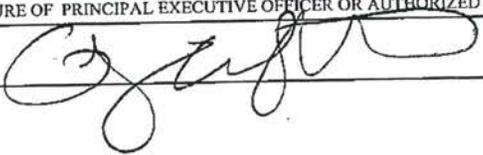
REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

From: August 1, 2013 To: August 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	3.6						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Greg Wright / Operations Coordinator		305-295-3301	09/25/2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: August 1, 2013 To: August 31, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.343		.322	.021	1.5	7.2	1.2				
2	.381		.362	.019	1.5	7.2	1.0				
3	.368		.350	.018	1.6	7.1	1.2				
4	.355	.355									
5	.355	.355			3.5	7.0	1.6				
6	.378		.351	.027	1.5	7.1	1.9				
7	.380		.358	.022	1.5	7.1	1.2				
8	.396		.374	.022	1.5	7.2	1.5				
9	.397		.377	.020	3.1	7.1	1.1				
10	.388		.368	.020	2.5	7.0	1.3				
11	.445	.445									
12	.445	.445			1.0	7.2	0.8				
13	.395		.391	.004	1.7	7.1	0.9	196.52	190	<2.0	2.0
14	.387		.358	.029	1.5	7.1	0.9				
15	.394		.375	.019	1.5	7.2	0.6				
16	.400		.400		3.0	7.1	0.9				
17	.380		.348	.032	2.3	7.0	1.0				
18	.408	.408									
19	.391	.391			4.2	7.0	0.7				
20	.413		.384	.029	1.5	7.1	0.8				
21	.525		.510	.015	1.5	7.1	0.8				
22	.499	.499			0.5	7.1	0.7				
23	.467	.467			2.5	7.0	0.7				
24	.420	.420			0.8	7.0	0.8				
25	.431	.431									
26	.431	.431			0.8	7.0	1.0				
27	.415		.387	.028	1.5	7.0	1.3				
28	.396	.396			2.5	7.2	1.7	164.5	135	<2.0	<0.5
29	.406		.376	.030	2.2	7.2	1.9				
30	.395	.264	.122	.009	3.0	7.1	1.9				
31	.398		.370	.028	1.7	7.0	1.8				
Total	12.582	5.307	6.883	.392	51.9	191.5	31.2	361.02	325	2.0	2.25
Mo. Avg.	.406	.171	.222	.013	1.9	7.1	1.1	180.5	162.5	1.0	1.12

**PLANT STAFFING:**

Day Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: August 1, 2013 To: August 31, 2013

Code	Solids, Total Suspended mg/L Reuse	Colliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
00530	74055	00600	00665					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1	1.6	<1						
2								
3								
4								
5	1.0	<1						
6	4.6	<1						
7	1.6	<1						
8	1.2	<1						
9								
10								
11								
12	1.2	<1						
13	1.2	<1	9.33	6.72				
14	1.0	<1						
15	1.0	<1						
16								
17								
18								
19	<0.5	<1						
20	1.2	<1						
21	1.2	<1						
22	11.8	<1						
23								
24								
25								
26	<0.5	<1						
27	<0.5	<1						
28	<0.5	<1	14.90	6.28				
29	<0.5	<1						
30								
31								
Total	8.5	29.85	24.23	13				
Mo. Avg.	0.5	1.76	12.12	6.5				

**PLANT STAFFING:**

Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **R-001**  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: July 1, 2013 To: July 31, 2013

COUNTY: **Monroe**  
 OFFICE: **South District**

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.147						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.164						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.009						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			5.4		1		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			298		1		
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			94%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	08-26-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

The fecal violation was due to the operator topping off the fecal sample with the TSS sample.  
 The TSS violation was believed to be a deteriorating bottle, new bottles have been bought.

**RECEIVED**

**AUG 28 2013**

**D.E.P. Marathon**

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: July 1, 2013 To: July 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.9		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						3.2				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.395								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.441	.431								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						88%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						291.18				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						212.50				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

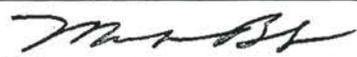
REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: July 1, 2013 To: July 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.239							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.269							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2					
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			4.27					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			0.25	0.25	0.25			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	08-26-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: July 1, 2013 To:

July 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1.48					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				12.21	<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.9		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				25.10					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			22.4	22.4	14.86				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.78					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			6.08	6.08	5.59				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: July 1, 2013 To: July 31, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	2.9						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo.Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	08-26-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: July 1, 2013 To: July 31, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.403	.403			0.5	7.1	1.0				
2	.367		.339	.028	2.1	6.9	2.5	291.18	212.50	<2.0	<0.5
3	.448		.425	.023	1.8	7.0	1.0				
4	.472	.472			1.0	6.9	1.2				
5	.415	.415			2.4	7.0	0.9				
6	.389	.389			0.5	7.0	0.9				
7	.403	.403									
8	.404	.404			1.4	7.1	2.3				
9	.399		.369	.030	1.6	7.2	2.7				
10	.405	.405			1.9	7.3	1.7				
11	.430		.402	.028	2.5	7.2	1.5				
12	.526	.526			1.6	7.2	1.9				
13	.423	.423			0.5	7.0	1.6				
14	.430	.430									
15	.430	.430			0.9	7.2	1.3				
16	.409		.377	.032	4.5	7.1	3.0	200.00	171.5	<2.0	<0.5
17	.478		.447	.031	1.6	7.0	1.4				
18	.717	.717			1.0	7.0	2.6				
19	.644	.644			2.3	7.0	3.2				
20	.511	.511			1.0	7.1	0.6				
21	.449	.449									
22	.448	.448			0.8	7.0	0.8				
23	.446		.446		4.0	7.1	1.9				
24	.416		.402	.014	1.8	7.2	0.8				
25	.446		.431	.015	1.8	7.1	2.0				
26	.426		.408	.018	4.1	7.2	0.9				
27	.399		.379	.020	1.5	7.1	1.2				
28	.398	.398									
29	.372	.372			4.5	7.0	1.6				
30	.388		.363	.025	3.5	7.1	1.0	216.00	184.5	<2.0	<0.5
31	.376		.274	.009	1.5/0.8	7.1	2.0				
Total	13.667	8.332	5.062	.273	51.9	191.2	43.5	707.18	568.5	3	0.75
Mo. Avg.	.441	.269	.164	.008	1.9	7.0	1.6	235.7	189.5	1.0	0.25

**PLANT STAFFING:**

Day Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Night Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>



## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: July 1, 2013 To: July 31, 2013

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
00530		74055	00600	00665					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1	1.4	<1							
2	<0.5	<1	22.4	5.84					
3	3.2	<1							
4									
5									
6									
7									
8	<0.5	<1							
9	5.4	<1							
10	<0.5	<1							
11	<0.5	<1							
12									
13									
14									
15	2.2	<1							
16	<0.5	<1	10.80	4.85					
17	<0.5	<1							
18	<0.5	<1							
19									
20									
21									
22	<0.5	<1							
23	2.4	<1							
24	2.2	<1							
25	2.0	<1							
26									
27									
28									
29	<0.5	<1							
30	2.0	298	11.4	6.08					
31	<0.5	<1							
<b>Total</b>	<b>23.3</b>	<b>306.5</b>	<b>44.6</b>	<b>16.77</b>					
<b>Mo. Avg.</b>	<b>1.29</b>	<b>17.0</b>	<b>14.86</b>	<b>5.59</b>					

**PLANT STAFFING:**

Day Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Night Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkenper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
 R-001  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 reuse storage golf course pond and irrigation system, with Influent

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

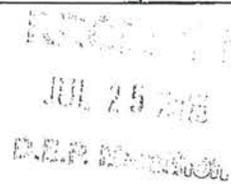
From: June 1, 2013 To: June 30, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.143						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.122						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.009						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			1.4				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	07-24-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):



DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: June 1, 2013 To: June 30, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH PARM Code 00400 A Mon. Site No. EFA-001	Sample Measurement				6.9		7.1				
	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-001	Sample Measurement				1.5						
	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity PARM Code 00070 B Mon. Site No. EFB-001	Sample Measurement						2.4				
	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL PARM Code 50050 R Mon. Site No. FLW-001	Sample Measurement		.388								
	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C PARM Code 80082 Y Mon. Site No. EFA-001	Sample Measurement					1.12					
	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C PARM Code 80082 A Mon. Site No. EFA-001	Sample Measurement				<2	<2	<2				
	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL PARM Code 50050 S Mon. Site No. FLW-001	Sample Measurement	.420	.419								
	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100 PARM Code 00180 1 Mon. Site No. FLW-001	Sample Measurement						84%				
	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent) PARM Code 80082 G Mon. Site No. INF-001	Sample Measurement						422 J				
	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent) PARM Code 00530 Q Mon. Site No. INF-001	Sample Measurement						237				
	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

JUL 25 2013  
D.E.P. Station

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

**FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
 U-001  
 two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

From: June 1, 2013 To: June 30, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement		.236								
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement		.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement		.291								
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement					4.31					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement				2.0	2.0	1.92				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	07-24-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

JUL 25 2013  
 DEP. DIVISION

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:  
 MONITORING PERIOD From: June 1, 2013 To: June 30, 2013

PERMIT NUMBER: FLA014951-011-DW2P

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1				
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)	#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1			
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL	Every 2 weeks	Grab
pH	Sample Measurement			6.9		7.1			
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.	5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.6					
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L	5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				26.18				
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L	Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			22.6	22.6	15.6			
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.62				
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L	Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			4.63	4.63	4.41			
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

RECEIVED  
 JUL 25 2013  
 D. B. [Signature]

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: June 1, 2013 To: June 30, 2013

Final  
 N/A  
 RMP-Q  
 Biosolids Quantity

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	3.8						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	07-24-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 JUL 25 2013  
 DEP. Division

## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP

Monitoring Period

 From: June 1, 2013 To: June 30, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.426	.426			0.9	6.9	0.9				
2	.422	.422									
3	.421	.421			0.8	7.0	1.2				
4	.438	.438			1.3	7.1	0.7	302.94	237.0	<2.0	1.84
5	.444	.444			0.8	7.0	0.6				
6	.458	.458			4.4	7.0	0.6				
7	.581	.581			0.6	7.1	0.7				
8	.419	.419			0.8	7.0	0.8				
9	.427	.427									
10	.426	.426			0.7	7.0	1.2				
11	.386	.386			0.6	7.0	1.1				
12	.437		.401	.036	1.5	7.1	0.6				
13	.622	.622			1.4	7.0	0.6				
14	.566	.566			0.7	7.0	0.8				
15	.385	.385			1.0	7.1	0.7				
16	.382	.382									
17	.382	.382			0.9	7.1	0.6				
18	.405		.405		1.8	7.0	0.7	422.0 J	203.0	<2.0	2.0
19	.347		.314	.033	1.8	7.0	0.7				
20	.374		.348	.026	1.5	7.0	0.8				
21	.414		.414		1.6	7.0	0.9				
22	.336		.303	.033	1.5	7.1	0.9				
23	.371	.371									
24	.371	.371			2.0	7.0	1.0				
25	.375		.351	.024	2.5	7.0	1.0				
26	.399		.383	.016	2.3	7.1	1.6				
27	.390		.371	.019	1.6	6.9	2.8				
28	.394		.373	.021	4.0	7.0	2.4				
29	.413	.413			1.3	7.0	2.4				
30	.379	.379									
31											
Total	12.590	8.719	3.663	.208	38.3	175.5	26.3	724.94	440	2.0	3.84
Mo. Avg.	.420	.291	.122	.007	1.5	7.02	1.05	362.47	220	1.0	1.92

**PLANT STAFFING:**

Shift Operator

 Class: C

 Certificate No: 20501

 Name: Greg Wright

Day Shift Operator

 Class: C

 Certificate No: 21394

 Name: Robert Bellino

Night Shift Operator

Class: \_\_\_\_\_

Certificate No: \_\_\_\_\_

Name: \_\_\_\_\_

Lead Operator

 Class: B

 Certificate No: 5355

 Name: Mark Burkemper

## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility:

Key West Resort Utility WWTP

 Monitoring Period From: June 1, 2013 To: June 30, 2013

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L						
Code	00530	74055	00600	00665						
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001						
1										
2										
3										
4			22.6	4.63						
5	<0.5	<1								
6										
7										
8										
9										
10	<0.5	<1								
11	<0.5	<1								
12	<0.5	<1 Q								
13	<0.5	<1								
14										
15										
16										
17	1.4	<1								
18	<0.5	<1	8.59	4.19						
19	<0.5	<1								
20	<0.5	<1								
21										
22										
23										
24	<0.5	<1								
25	<0.5	<1								
26	1.2	<1								
27	<0.5	<1								
28										
29										
30										
31										
Total	5.1	6.5	31.19	8.82						
Mo. Avg.	0.43	0.5	15.6	4.41						

**PLANT STAFFING:**

Day Shift Operator

 Class: C

 Certificate No: 20501

 Name: Greg Wright

Day Shift Operator

 Class: C

 Certificate No: 21394

 Name: Robert Bellino

Night Shift Operator

Class: \_\_\_\_\_

Certificate No: \_\_\_\_\_

Name: \_\_\_\_\_

Lead Operator

 Class: B

 Certificate No: 5355

 Name: Mark Burkemper

ISSUANCE/REISSUANCE DATE: February 20, 2012

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: May 1, 2013 To: May 31, 2013

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.140						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.174						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.010						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.2				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	06-24-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED

JUN 26 2013

D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: May 1, 2013 To: May 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.7		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						3.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.384								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.433	.415								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Ql.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						83%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						282.35				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						205				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

RECEIVED

JUN 25 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

**FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
**U-001**  
 two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

From: May 1, 2013 To: May 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.234							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.252							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2					
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			4.23					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			3.00					
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	06-24-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 JUN 26 2013  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: May 1, 2013 To:

May 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.7		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				27.58					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			22.3	22.3	21.9				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.60					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			6.36	6.36	5.81				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

RECEIVED  
JUN 26 2013  
D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: May 1, 2013 To: May 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	5.0						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	06-24-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 JUN 26 2013  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: May 1, 2013 To: May 31, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.431		.411	.020	1.5	7.1	0.6				
2	.443		.431	.012	1.8	7.0	1.6				
3	.599	.599			0.6	6.7	1.6				
4	.643	.643			0.7	6.7	1.6				
5	.552	.552									
6	.551	.551			0.5	6.9	2.7				
7	.455	.455			0.6	6.9	1.6	182.94	196	<2.0	<0.5
8	.454	.454			1.3	7.0	1.0				
9	.460	.460			1.7	7.2	2.1				
10	.407		.394	.013	1.6	7.0	3.0				
11	.345		.344	.001	2.1	7.1	2.0				
12	.380	.380									
13	.390	.390			2.6	6.9	1.6				
14	.366	.366			1.2	7.0	1.4				
15	.396		.384	.012	1.5	7.1	2.9				
16	.393		.380	.013	1.7	7.1	1.8				
17	.362		.346	.016	1.8	7.1	1.8				
18	.348		.335	.013	1.5	7.2	1.0				
19	.342	.342									
20	.341	.341			1.5	7.1	1.1				
21	.380		.370	.010	1.7	7.1	1.4				
22	.379		.368	.011	2.5	7.2	1.4	282.35	205	<2.0	3.0
23	.392		.380	.012	1.5	7.1	1.2				
24	.367		.348	.019	1.6	7.1	2.1				
25	.410		.389	.021	1.7	7.0	1.4				
26	.348	.348									
27	.348	.348			1.3	7.0	1.4				
28	.391		.371	.020	1.3	7.0	1.4				
29	.482	.306	.151	.025	1.5/0.5	7.2	1.7				
30	.663	.663			0.5	6.8	1.8				
31	.620	.620			0.5	6.9	2.0				
<b>Total</b>	13.438	7.818	5.402	.218	36.85	189.5	45.2	465.29	401	2	3.25
<b>Mo. Avg.</b>	.433	.252	.174	.007	1.4	7.0	1.7	232.6	200.5	1	1.63

**PLANT STAFFING:**

Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

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 JUN 26 2013  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

Facility: **Key West Resort Utility WWTP**

Permit Number: **FLA014951-011-DW2P**

Monitoring Period From: May 1, 2013 To: May 31, 2013

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L			
00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001			
1	<0.5	<1					
2	<0.5	<1					
3							
4							
5							
6	<0.5	<1					
7	1.2	<1	21.5	5.25			
8	2.2	<1					
9	1.2	<1					
10							
11							
12							
13	<0.5	<1					
14	<0.5	<1					
15	<0.5	<1					
16	<0.5	<1					
17							
18							
19							
20	<0.5	<1					
21	<0.5	<1					
22	<0.5	<1	22.3	6.36			
23	<0.5	<1					
24							
25							
26							
27							
28	<0.5	<1					
29							
30							
31							
<b>Total</b>	7.6	7.5	43.8	11.61			
<b>Mo. Avg.</b>	0.51	0.5	21.9	5.81			

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JUN 28 2013

**PLANT STAFFING:**

Night Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>	
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>	<u>D.E.P. Marathon</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____	
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>	

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
 R-001

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

reuse storage golf course pond and irrigation system, with Influent

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

From: April 1, 2013 To: April 30, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.132						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.242						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			5.2		1		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	05-23-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

KWRU in-house split sample on 4-25-13 resulted in 2.8mg/L. It is also possible that the operator pulled the sample immediately after a backwash cycle.

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MAY 23 2013

D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: April 1, 2013 To: April 30, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.7		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.8				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.378								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.403	.402								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						80.6%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						441.5				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						424				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

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MAY 28 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

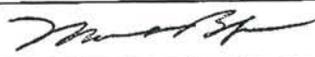
Key West, FL 33045

DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: April 1, 2013 To: April 30, 2013

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.234							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.149							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.12					
PARM Code 80082 Y Mon. Site No. EPA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2	<2	<2			
PARM Code 80082 A Mon. Site No. EPA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			4.18					
PARM Code 00530 Y Mon. Site No. EPA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			2.67	2.67	2.17			
PARM Code 00530 A Mon. Site No. EPA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	05-23-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED

MAY 23 2013

D.E.P. Marathon

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: April 1, 2013 To: April 30, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.7		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			1.0						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				27.95					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			16.5	16.5	15.1				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.52					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			5.53	5.53	5.31				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

RECEIVED

MAY 28 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **RMP-Q**  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: April 1, 2013 To: April 30, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	5.7						
PARM Code B0008 Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	05-23-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
 MAY 28 2013  
 D.E.P. Marathon

RECEIVED

MAY 29 2013

DAILY SAMPLE RESULTS - PART B

Permit Number: FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP, D.E.P. Marathon

Monitoring Period From: April 1, 2013 To: April 30, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.417	.417			2.5	6.7	0.6				
2	.420		.420		1.6	6.9	0.6				
3	.416		.416		2.7	6.8	0.6				
4	.417		.417		2.7	6.8	0.7				
5	.411		.411		3.0	6.9	0.7				
6	.404	.253	.151		2.5	6.9	0.7				
7	.449	.449									
8	.448	.448			3.2	6.9	0.6				
9	.399		.381	.018	3.3	7.0	0.6	441.5	424	<2.0	2.67
10	.428		.409	.019	2.5	7.0	0.7				
11	.348		.319	.029	3.0	7.1	0.8				
12	.429		.410	.019	1.7	7.1	0.8				
13	.376	.235	.111	.030	1.6	7.0	0.9				
14	.395	.395									
15	.395	.395			1.5	6.9	1.0				
16	.397		.373	.024	1.6	7.0	1.0				
17	.412		.393	.019	3.0	7.1	1.1				
18	.379		.360	.019	2.0	7.1	1.2				
19	.376		.356	.020	1.6	7.0	1.4				
20	.430	.269	.142	.019	1.7	7.0	1.2				
21	.405	.405									
22	.405	.405			1.7	7.0	1.5				
23	.395		.364	.031	1.6	7.0	1.7				
24	.337		.319	.018	1.6	6.9	1.7	316.92	193	<2.0	1.67
25	.422		.402	.020	1.7	7.0	1.6				
26	.412		.394	.018	1.7	7.1	1.5				
27	.381		.361	.020	1.5	7.1	1.8				
28	.392	.392									
29	.393	.393			1.0	7.2	1.5				
30	.390		.364	.026	1.5	7.0	2.8				
31											
Total	12.078	4.456	7.273	.349	54	181.5	29.3	758.42	617	2.0	4.34
Mo. Avg.	.403	.149	.242	.012	2.07	6.9	1.1	379.2	308.5	1.0	2.17

PLANT STAFFING:

Shift Operator Class: C Certificate No: 20501 Name: Greg Wright  
 Day Shift Operator Class: Certificate No: Name:  
 Night Shift Operator Class: Certificate No: Name:  
 Lead Operator Class: B Certificate No: 5355 Name: Mark Burkemper

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DAILY SAMPLE RESULTS - PART B

Permit Number: FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP

MAY 28 2013

Monitoring Period From: April 1, 2013 To: April 30, 2013

D.E.P. Marathon

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Code	00530	74055	00600	00665					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1	<0.5	<1							
2	<0.5	<1							
3	<0.5	<1							
4	<0.5	<1							
5									
6									
7									
8	<0.5	<1							
9	1.8	<1	13.7	5.09					
10	1.2	<1							
11	<0.5	<1							
12									
13									
14									
15	<0.5	<1							
16	<0.5	<1							
17	1.8	<1							
18	<0.5	<1							
19									
20									
21									
22	<0.5	<1							
23	3.8	<1							
24	1.6	<1	16.5	5.53					
25	5.2	<1							
26									
27									
28									
29	<0.5	<1							
30	<0.5	<1							
31									
Total	18.4	9	30.2	10.62					
Mo. Avg.	1.02	0.5	15.1	5.31					

PLANT STAFFING:

Shift Operator Class: C Certificate No: 20501 Name: Greg Wright  
 Day Shift Operator Class: Certificate No: Name:  
 Night Shift Operator Class: Certificate No: Name:  
 Lead Operator Class: B Certificate No: 5355 Name: Mark Burkemper

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **R-001**  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: March 1, 2013 To: March 31, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement		.125								
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement		.189								
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement		.014								
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement		0.06 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement					3.4					
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement					5.0 (Max.)	mg/L			4 Days/Week	Grab
Coliform, Fecal	Sample Measurement					<1					
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement					25 (Max.)	#/100mL			4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement				100%						
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement				75 (Mo.Total)		percent			4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	04-25-13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

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APR 29 2013

D.E.P. Marathon

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: March 1, 2013 To: March 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.5		6.9				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						1.2				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.371								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				3.2	2.1	2.1				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.408	.398								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						79.8%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						402.5				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						279				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

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APR 29 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

**FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **U-001**  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

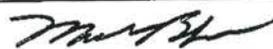
Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
**MONITORING PERIOD** From: March 1, 2013 To: March 31, 2013

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement	.233								
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement	.216								
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.12					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement			3.2	2.1	2.1				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement				4.08					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			6.67	4.17	4.17				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	04-25-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**

APR 29 2013

D.E.P. Marathon

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:  
 MONITORING PERIOD From: March 1, 2013 To: March 31, 2013

PERMIT NUMBER: FLA014951-011-DW2P

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement			1	<1					
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.5		6.9				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.6						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				29.01					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			24.7	24.6	24.6				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.39					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			5.31	4.27	4.27				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

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D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

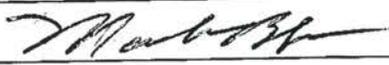
LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: March 1, 2013 To: March 31, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement							
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	5.5	dry tons	Report (Mo.Total)		0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	04-25-13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

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 APR 29 2013  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: March 1, 2013 To: March 31, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.395		.384	.011	1.6	6.5	0.8				
2	.403	.252	.140	.011	1.7	6.7	0.8				
3	.358	.358									
4	.359	.359			0.8	6.6	1.0				
5	.400	.400			0.7	6.5	0.2				
6	.386	.386			1.5	6.6	0.3				
7	.404		.374	.030	1.6	6.6	1.0				
8	.378		.355	.023	1.5	6.7	1.1				
9	.420	.262	.146	.012	1.4	6.7	0.9				
10	.390	.390									
11	.390	.390			2.0	6.7	0.9				
12	.427	.267	.151	.009	1.5/0.6	6.6	1.0	290.5	279	3.2	6.67
13	.439		.439		1.5	6.7	1.0				
14	.440		.440		3.5	6.8	0.7				
15	.420		.420		1.5	6.8	0.8				
16	.417	.278	.139		1.7	6.9	0.9				
17	.399	.399									
18	.400	.400			4.8	6.8	0.9				
19	.400		.400		2.0	6.8	1.0				
20	.486		.486		1.7	6.9	1.0				
21	.449		.449		1.6	6.8	0.7				
22	.458	.458			0.6	6.7	0.9				
23	.396	.396			0.6	6.9	1.2				
24	.424	.424									
25	.424	.424			0.8	6.9	1.2				
26	.380		.380		1.6	6.9	1.2	402.5	179.01	<2	1.67
27	.383		.383		1.5	6.6	0.7				
28	.395	.033	.362		1.5/1.0	6.6	0.7				
29	.403		.403		1.5	6.6	0.9				
30	.403	.403			1.3	6.7	0.8				
31	.416	.416									
Total	12.642	6.695	5.851	.096	40.6	174.6	22.6	693	458	4.2	8.34
Mo. Avg.	.408	.216	.189	.003	1.6	6.72	0.87	346.5	229	2.1	4.17

**PLANT STAFFING:**

Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

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APR 29 2013

D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: March 1, 2013 To: March 31, 2013

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L			
00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001			
1							
2							
3							
4	<0.5	<1					
5	<0.5	<1					
6	<0.5	<1					
7	<0.5	<1					
8							
9							
10							
11	<0.5	<1					
12	3.4	<1	24.7	5.31			
13	<0.5	<1					
14	<0.5	<1					
15							
16							
17							
18	<0.5	<1					
19	<0.5	<1					
20	<0.5	<1					
21	<0.5	<1					
22							
23							
24							
25	<0.5	<1					
26	<0.5	<1	24.5	3.24			
27	<0.5	<1					
28	<0.5	<1					
29							
30							
31							
<b>Total</b>	7.15	8	49.2	8.55			
<b>Mo. Avg.</b>	0.45	0.5	24.6	4.27			

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APR 29 2013

**PLANT STAFFING:**

Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEP Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final N/A  
 R-001  
 reuse storage golf course pond and irrigation system, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

From: February 1, 2013 To: February 28, 2013

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.120						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.121						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.017						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.2				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	03-25-13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED

MAR 27 2013

D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: February 1, 2013 To: February 28, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.5		6.8				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						3.4				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.365								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.03					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.0	1.0	1.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.395	.397								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						79.5%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						373				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						275				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

RECEIVED

MAR 27 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two Class V injection wells  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: February 1, 2013 To: February 28, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.228							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.272							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.03					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.0	1.0	1.0			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			3.78					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			0.25	0.25	0.25			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	03-25-13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**

MAR 27 2013

D.E.P. Marathon

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:  
 MONITORING PERIOD From: February 1, 2013 To: February 28, 2013

PERMIT NUMBER: FLA014951-011-DW2P

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.5		7.8				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.6						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				28.16					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report □An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			23.70	17.19	17.19				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.45					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			4.79	4.13	4.13				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

RECEIVED  
 MAR 27 2013  
 D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
 RMP-Q  
 Biosolids Quantity

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

From: February 1, 2013 To: February 28, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement										
PARAM Code B0008 Mon Site No. RMP-1	Permit Requirement	5.9	Report (Mo. Total)	dry tons					0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	03-25-13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
 MAR 27 2013  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: February 1, 2013 To: February 28, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceo us 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceo us 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.404	.404			1.7	6.5	OPS				
2	.382	.382			0.6	6.6	OPS				
3	.381	.381									
4	.382	.382			0.6	6.6	0.3				
5	.393	.393			5.0	6.5	2.0				
6	.439	.439			0.7	6.5	2.2				
7	.389	.389			1.6	6.6	0.7				
8	.416	.416			0.5	6.5	0.8				
9	.433	.433			0.7	6.6	0.6				
10	.413	.413									
11	.414	.414			0.6	6.6	0.8				
12	.415		.415		1.6	6.6	2.7	342	246	<2.0	<0.5
13	.404		.404		1.5	6.5	0.6				
14	.423		.423		1.8	6.6	1.9				
15	.412		.412		1.7	6.7	3.4				
16	.393	.393			2.4	6.8	3.3				
17	.400	.400									
18	.399	.399			3.5	6.7	0.5				
19	.368	.215	.140	.013	1.5/1.0	6.5	1.0				
20	.385		.385		2.7	6.6	1.2				
21	.383	.383			1.8	6.6	1.8				
22	.377		.365	.012	2.0	6.7	2.0				
23	.414	.414			1.6	6.7	1.8				
24	.370	.370									
25	.371	.371			0.7	6.7	1.5				
26	.361	.226	.130	.005	1.5/0.8	6.5	3.0	373	275	<2.0	<0.5
27	.365		.355	.010	1.6	6.6	0.5				
28	.388		.361	.027	1.7	6.5	0.5				
29											
30											
31											
Total	11.074	7.617	3.39	.067	38.4	158.3	33.1	715	521	2	0.5
Mo. Avg.	.395	.272	.121	.002	1.6	6.6	1.5	357.5	260.5	1	0.25

**PLANT STAFFING:**

Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**RECEIVED**

**MAR 27 2013**

**D.E.P. Marathas**

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: February 1, 2013 To: February 28, 2013

Code	Solids, Total Suspended mg/L Reuse	Colliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1									
2									
3									
4	1.0	<1							
5									
6									
7									
8									
9									
10									
11	2.2	<1							
12	1.6	<1	23.7	3.46					
13	<0.5	<1							
14	1.4	<1							
15									
16									
17									
18	<0.5	<1							
19	<0.5	<1							
20	<0.5	<1							
21	<0.5	<1							
22									
23									
24									
25	1.8	<1							
26	<0.5	<1	8.68	4.79					
27	<0.5	<1							
28	<0.5	<1							
29									
30									
31									
<b>Total</b>	10	13	34.38	8.25					
<b>Mo. Avg.</b>	0.77	0.5	17.19	4.13					

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MAR 27 2013

D.E.P. Marathon

**PLANT STAFFING:**

Day Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final N/A  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 R-001  
 reuse storage golf course pond and irrigation system, with Influent

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

From: January 1, 2013 To: January 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.120						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.078						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.018						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.0				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	02-18-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
 FEB 20 2013  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: January 1, 2013 To: January 31, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.5		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.8						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						1.9				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.362								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.03					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				2.0	2.0	1.3				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.390	.402								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						81%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						316				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						264.5				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

RECEIVED

FEB 20 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: January 1, 2013 To: January 31, 2013

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.230							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.304							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.03					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			2.0	2.0	1.3			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			3.79					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			3.33	3.33	2.61			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkeemper / Lead Operator		(305)295-3301	02-18-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

The 9-25-12 TSS sample had an attachment from our contracted U.S. Water Lab that stated "The TSS sample left a cream colored residual on the TSS pad, usually associated with grease." On 9-21-12 we had B.R.T.A., Inc. clean several privately owned lift stations.

**RECEIVED**

FEB 20 2013

D.E.P. Marathon

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: **Key West Resort Utility WWTP**

MONITORING GROUP **U-001**

PERMIT NUMBER: **FLA014951-011-DW2P**

NUMBER:

MONITORING PERIOD From: January 1, 2013 To:

January 31, 2013

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.5		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				28.9					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			38.8	38.8	30.4				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				4.51					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			6.03	6.03	5.43				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

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FEB 20 2013

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: January 1, 2013 To: January 31, 2013

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement										
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	5.9	Report (Mo. Total)	dry tons				0	Monthly	Calculated	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	02-18-2013

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
 FEB 20 2013  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: January 1, 2013 To: January 31, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For Disinfection) mg/L	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.355	.192	.138	.025	3.8	7.1	1.1				
2	.358	.358			1.0	7.1	1.2	286	264.5	<2	2.17
3	.403		.368	.035	3.2	7.0	0.8				
4	.398		.363	.035	2.8	7.0	1.7				
5	.384	.240	.118	.026	5.0	7.0	1.1				
6	.385	.385									
7	.386	.386			3.5	7.0	0.7				
8	.365		.333	.032	4.4	7.1	1.9				
9	.376		.339	.037	2.7	7.0	1.9				
10	.397		.374	.023	2.7	7.1	1.7				
11	.427		.399	.028	2.8	7.1	1.9				
12	.342	.337		.005	2.6	7.0	1.9				
13	.376	.376			2.5	7.0	1.8				
14	.365	.365			1.8	6.9	1.1				
15	.346	.346			1.7	7.0	OPS	289.5	240	<2	2.33
16	.428	.428			0.7	6.8	OPS				
17	.489	.489			0.5	6.9	OPS				
18	.359	.359			0.5	6.9	OPS				
19	.383	.383			0.5	7.0	OPS				
20	.377	.377					OPS				
21	.377	.377			0.6	6.9	OPS				
22	.392	.392			1.3	7.0	OPS				
23	.406	.406			2.5	7.0	OPS				
24	.341	.341			1.6	7.0	OPS				
25	.378	.378			0.6	7.0	OPS				
26	.414	.414			0.5	7.0	OPS				
27	.392	.392					OPS				
28	.393	.393			0.5	6.8	OPS				
29	.434	.434			1.0	6.6	OPS	316	197	2.0	3.33
30	.421	.421			1.0	6.5	OPS				
31	.447	.447			1.2	6.5	OPS				
Total	12.094	9.419	2.432	.246	53.5	194.3	18.8	891.5	701.5	4	7.83
Mo. Avg.	.390	.304	.078	.008	1.91	6.9	1.4	297.2	233.8	1.3	2.61

**PLANT STAFFING:**

Night Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

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FEB 20 2013

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## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: January 1, 2013 To: January 31, 2013

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2	<0.5	<1	38.8	5.69				
3	1.8	<1						
4								
5								
6								
7	<0.5	<1						
8	<0.5	<1						
9	<0.5	<1						
10	2.0	<1						
11								
12								
13								
14								
15			26.7	6.03				
16		<1						
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29			25.6	4.57				
30		<1						
31								
Total			91.1	16.29				
Mo. Avg.			30.4	5.43				

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FEB 20 2013

D.E.P. Marathon

**PLANT STAFFING:**

Night Shift Operator	Class: <u>C</u>	Certificate No: <u>20501</u>	Name: <u>Greg Wright</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

Final N/A  
**R-001**  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 reuse storage golf course pond and irrigation system, with Influent

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: **DECEMBER 1 \_ 2014** **DECEMBER 31 2014**

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.190						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.147						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.011						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	(An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			1.8				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	01-26-2015

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):



Entered into  
**OCULUS**  
 South District

**RECEIVED**  
 JAN 29 2015  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: DECEMBER 1, 2014  
To:

DECEMBER 30 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.461								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.0	1.0	1.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.504	.510								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						102%	%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						203				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						241.5				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: DECEMBER 1, 2014 DECEMBER 31 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.261							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.348							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.0	1.0	1.0			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.15					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			0.25	0.25	0.25			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	01-26-2015

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: DECEMBER 1, 2014 To: DECEMBER 31 2014

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				0.5					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				0.5	0.5				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.6						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				20.1					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			27.6	27.6	21.4				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.19					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			4.79	4.79	4.51				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **RMP-Q**  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: **DECEMBER 1, 2014** To: **DECEMBER 31 2014**

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	6.7						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	01-26-2015

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: **DECEMBER 1, 2014** To **DECEMBER 31 2014**

Code	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.466	.466			2.0	7.0	0.5				
2	.520	.303	.206	.011	1.5/1.0	7.0	0.8				
3	.565	.330	.220	.015	1.5/0.7	7.0	0.6				
4	.507	.317	.178	.012	1.5/0.6	7.1	1.0				
5	.523		.489	.034	1.6	7.2	0.7				
6	.505	.505			2.3	7.2	0.8				
7	.515	.515									
8	.515	.515			2.4	7.0	0.7				
9	.479	.479			0.7	7.2	0.6				
10	.518	.302	.203	.013	1.5/0.7	7.2	0.7				
11	.454	.265	.182	.007	1.5/0.6	7.1	0.5				
12	.496	.290	.197	.009	1.5/0.7	7.2	0.5				
13	.500		.468	.032	2.1	7.0	0.4				
14	.475	.475									
15	.475	.475			2.0	7.0	0.5				
16	.488		.457	.031	1.7	7.0	0.5	203	152	<2.0	<0.5
17	.498		.476	.022	1.6	7.2	1.5				
18	.454		.429	.025	1.8	7.2	0.9				
19	.422	.422			2.3	7.1	1.0				
20	.456	.456			1.9	7.1	1.0				
21	.448	.448			2.0	7.1	0.7				
22	.472	.472			1.7	7.0	0.8				
23	.505		.473	.032	2.0	7.0	2.0				
24	.488	.285	.192	.011	1.8	7.1	1.0				
25	.593	.593			0.8	7.0	0.8				
26	.690	.690			1.0	7.0	0.7				
27	.591	.591			1.1	7.0	0.5				
28	.508	.508									
29	.508	.508			1.1	7.1	0.3				
30	.486	.284	.192	.010	1.5/1.0	7.0	0.9	200	241.5	<2.0	<0.5
31	.509	.297	.201	.011	1.5/0.9	7.1	1.0				
Total	15.629	10.791	4.563	.275	40.1	198.2	21.9	403	393.5	2.0	0.50
Mo. Avg.	.504	.348	.147	.009	1.43	7.08	0.78	201.5	196.8	1.0	0.25

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP

 Monitoring Period From: DECEMBER 1, 2014 To DECEMBER 31 2014

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1	<0.5	<1						
2	<0.5	<1						
3	<0.5	<1						
4	<0.5	<1						
5								
6								
7								
8	<0.5	<1						
9	<0.5	<1						
10	<0.5	<1						
11	<0.5	<1						
12								
13								
14								
15	1.2	<1						
16	<0.5	<1	27.6	4.22				
17	<0.5	<1						
18	1.8	<1						
19								
20								
21								
22	1.4	<1						
23	<0.5	<1						
24	<0.5	<1						
25								
26	<0.5	<1						
27								
28								
29	1.0	<1						
30	<0.5	<1	15.2	4.79				
31	<0.5	<1						
Total	9.15	<1	42.8	9.01				
Mo.	0.48	<1	21.4	4.51				

**STAFFING:**

Night Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

REISSUANCE/REISSUANCE DATE: February 20, 2012

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: November 1 2014 November 30 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.186						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.173						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.011						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.60				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	12-30-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: **Key West Resort Utility WWTP**

MONITORING GROUP **R-001**

PERMIT NUMBER: **FLA014951-011-DW2P**

NUMBER:

MONITORING PERIOD From: **November 1, 2014** To: **November 30 2014**

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						4.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.450								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.0	1.0	1.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.490	.509								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						102%	%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						183.5				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						166.0				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
MAILING ADDRESS: 6630 Front Street  
Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
CLASS SIZE: N/A  
MONITORING GROUP NUMBER: U-001  
MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

Key West, FL 33045

RE-SUBMITTED DMR:   
NO DISCHARGE FROM SITE:   
MONITORING PERIOD

From: November 1, 2014 November 30 2014

COUNTY: Monroe  
OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement	.253								
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement	.306								
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.20						
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.0	1.0	1.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.17						
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			0.25	0.25	0.25				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	12-30-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
JAN 07 2015  
D.E.P. Marathon



**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **RMP-Q**  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: **November 1, 2014** To: **November 30 2014**

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	5.4						
<b>PARM Code B0008 + Mon. Site No. RMP-1</b>	Permit Requirement	Report (Mo.Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	12-22-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: **November 1, 2014** To **November 30 2014**

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.478	0.0	.435	.043	2.2	7.0	0.4				
2	.453	.453	0.0	0.0							
3	.453	.453	0.0	0.0	2.4	7.0	4.0				
4	.436	0.0	.422	.014	1.7	7.2	0.6	182.5	166.0	<2.0	<0.5
5	.425	0.0	.393	.032	1.5	7.0	0.3				
6	.468	0.0	.432	.036	2.2	7.1	0.5				
7	.533	.533	0.0	0.0	1.5	7.1	0.4				
8	.452	.452	0.0	0.0	1.5	7.0	0.4				
9	.532	.532	0.0	0.0							
10	.516	.516	0.0	0.0	0.6	7.0	0.5				
11	.455	0.0	.420	.035	1.6	7.1	1.0				
12	.516	.322	.182	.012	1.5/0.7	7.1	1.0				
13	.508	.508	0.0	0.0	1.2	7.0	0.9				
14	.448	0.0	.438	.010	3.0	7.1	0.9				
15	.496	.496	0.0	0.0	1.5	7.0	0.7				
16	.481	.481	0.0	0.0							
17	.481	.481	0.0	0.0	1.5	7.0	1.2				
18	.511	0.0	.467	.044	1.9	7.0	1.0	183.5	145.0	<2.0	<0.5
19	.549	0.0	.520	.029	3.0	7.0	1.3				
20	.465	.465	0.0	0.0	2.0	7.0	0.7				
21	.480	0.0	.454	0.26	1.7	7.0	0.8				
22	.500	.500	0.0	0.0	2.2	7.0	0.8				
23	.536	.536	0.0	0.0							
24	.536	.536	0.0	0.0	1.6	7.1	0.7				
25	.565	0.0	.536	.029	1.6	7.0	0.9				
26	.514	0.0	.490	.024	1.5	7.0	0.6				
27	.520	.520	0.0	0.0	1.0	7.0	0.5				
28	.506	.506	0.0	0.0	1.1	6.8	0.5				
29	.497	.497	0.0	0.0	1.0	6.9	0.5				
30	.381	.381	0.0	0.0	2.5	7.0	0.5				
31											
<b>Total</b>	14.691	9.168	5.189	.334	44.2	182.5	21.6	366	311	2.0	0.50
<b>Mo. Avg.</b>	.490	.306	.173	.011	1.70	7.02	0.83	183	155.5	1.0	0.25

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: November 1, 2014 To November 30 2014

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2								
3	0.5	<1						
4	1.6	<1	28.20	5.95				
5	<0.5	<1						
6	<0.5	<1						
7								
8								
9								
10	<0.5	<1						
11	<0.5	<1						
12	<0.5	<1						
13	<0.5	<1						
14								
16								
17	2.6	<1						
18	1.6	<1	18.60	5.28				
19	1.0	<1						
20	1.0	<1						
21								
22								
23								
24	<0.5	<1						
25	<0.5	<1						
26	<0.5	<1						
27	2.4	<1						
28								
29								
30								
31								
Total	12.70	<1	46.8	11.23				
Mo.	0.79	<1	23.4	5.62				

**PLANT STAFFING:**

Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: November 1 2014 November 30 2014

RECEIVED  
 DEC 24 2014  
 D.E.P. Marathon

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.186						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.173						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.011						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.60				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			<1 25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	12-22-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

OTH = NO LAB RESULTS FOR COMPOSITE OF 11-18-2014  
 W.II SUBMIT WHEN RESULTS ARRIVE

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: **Key West Resort Utility WWTP**

MONITORING GROUP **R-001**

PERMIT NUMBER: **FLA014951-011-DW2P**

NUMBER:

MONITORING PERIOD From: **November 1, 2014** To: **November 30 2014**

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						4.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.450								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement				oth						
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				oth	oth	oth				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.490	.509								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						102%	%			
PARM Code 00180 1 Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						oth				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						oth				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**RECEIVED**

**DEC 24 2014**

**D.E.P. Marathon**

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: \_ November 1, 2014 \_ November 30 2014 \_

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.253							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.306							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			oth					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			oth	oth				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			oth					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			oth	oth				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	12.22.2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

OTH = No LAB RESULTS For composite of 11-18-2014  
 Will Resubmit when results arrive  
 MAR

RECEIVED  
 DEC 24 2014  
 D.E.P. Marathon

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: November 1, 2014 To: November 30 2014

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				<1	<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.8		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				oth					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			oth	oth	oth				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				oth					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				oth	oth				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Repor(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

RECEIVED

DEC 24 2014

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From:

Final  
 N/A  
 RMP-Q  
 Biosolids Quantity

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

November 1, 2014 To: November 30 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	5.4						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	12-22-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
 DEC 24 2014  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: **November 1, 2014** To **November 30 2014**

Code	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.478	0.0	.435	.043	2.2	7.0	0.4				
2	.453	.453	0.0	0.0							
3	.453	.453	0.0	0.0	2.4	7.0	4.0				
4	.436	0.0	.422	.014	1.7	7.2	0.6	182.5	166.0	<2.0	<0.5
5	.425	0.0	.393	.032	1.5	7.0	0.3				
6	.468	0.0	.432	.036	2.2	7.1	0.5				
7	.533	.533	0.0	0.0	1.5	7.1	0.4				
8	.452	.452	0.0	0.0	1.5	7.0	0.4				
9	.532	.532	0.0	0.0							
10	.516	.516	0.0	0.0	0.6	7.0	0.5				
11	.455	0.0	.420	.035	1.6	7.1	1.0				
12	.516	.322	.182	.012	1.5/0.7	7.1	1.0				
13	.508	.508	0.0	0.0	1.2	7.0	0.9				
14	.448	0.0	.438	.010	3.0	7.1	0.9				
15	.496	.496	0.0	0.0	1.5	7.0	0.7				
16	.481	.481	0.0	0.0							
17	.481	.481	0.0	0.0	1.5	7.0	1.2				
18	.511	0.0	.467	.044	1.9	7.0	1.0	oth	oth	oth	oth
19	.549	0.0	.520	.029	3.0	7.0	1.3				
20	.465	.465	0.0	0.0	2.0	7.0	0.7				
21	.480	0.0	.454	0.26	1.7	7.0	0.8				
22	.500	.500	0.0	0.0	2.2	7.0	0.8				
23	.536	.536	0.0	0.0							
24	.536	.536	0.0	0.0	1.6	7.1	0.7				
25	.565	0.0	.536	.029	1.6	7.0	0.9				
26	.514	0.0	.490	.024	1.5	7.0	0.6				
27	.520	.520	0.0	0.0	1.0	7.0	0.5				
28	.506	.506	0.0	0.0	1.1	6.8	0.5				
29	.497	.497	0.0	0.0	1.0	6.9	0.5				
30	.381	.381	0.0	0.0	2.5	7.0	0.5				
31											
Total	14.691	9.168	5.189	.334	44.2	182.5	21.6				
Mo. Avg.	.490	.306	.173	.011	1.70	7.02	0.83				

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**DEC 24 2014**  
**D.E.P. Marathon**

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: November 1, 2014 To November 30 2014

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
00530		74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2								
3	0.5	<1						
4	1.6	<1	28.20	5.95				
5	<0.5	<1						
6	<0.5	<1						
7								
8								
9								
10	<0.5	<1						
11	<0.5	<1						
12	<0.5	<1						
13	<0.5	<1						
14								
15								
16								
17	2.6	<1						
18	1.6	<1						
19	1.0	<1						
20	1.0	<1						
21								
22								
23								
24	<0.5	<1						
25	<0.5	<1						
26	<0.5	<1						
27	2.4	<1						
28								
29								
30								
31								
Total	12.70	<1						
Mo.	0.79	<1						

RECEIVED  
DEC 24 2014  
D.E.P. Marathon

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

Final  
 N/A  
 R-001  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 reuse storage golf course pond and irrigation system, with Influent

COUNTY: Monroe

MONITORING PERIOD From: **October 1 2014** **OCTOBER 31 2014**

OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.182						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.124						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.011						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			1.8		0		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement		100%					
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement		75 (Mo.Total)		percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	11-25-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
**DEC 01 2014**  
**D.E.P. Marathon**

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: October 1, 2014 To

October 31 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.3				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						3.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement	.441									
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement	0.499 (An.Avg.)		MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.20						
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.98	1.98	1.49				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.535	.508								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						102	%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						217.5				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						185				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 DESCRIPTION: two Class V injection wells

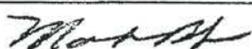
REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: October 1, 2014 October 31 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.248							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.402							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.98	1.98	1.49			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.21					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			3.60	3.60	1.93			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	11-25-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: October 1, 2014 To: October 31 2014

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal PARM Code 74055 Y Mon. Site No. EFA-001	Sample Measurement			0.5						
	Permit Requirement			200 (An.Avg.)			#/100mL		Every 2 weeks	Grab
Coliform, Fecal PARM Code 74055 A Mon. Site No. EFA-001	Sample Measurement			0.5	0.5					
	Permit Requirement			200 (Mo.Geo.Mn.)	800 (Max.)		#/100mL		Every 2 weeks	Grab
pH PARM Code 00400 A Mon. Site No. EFA-001	Sample Measurement		6.8		7.1					
	Permit Requirement		6.0 (Min.)		8.5 (Max.)		s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-001	Sample Measurement		0.5							
	Permit Requirement		0.5 (Min.)				mg/L		5 Days/Week	Grab
Nitrogen, Total PARM Code 00600 Y Mon. Site No. EFA-001	Sample Measurement			19.56						
	Permit Requirement			Report (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total PARM Code 00600 A Mon. Site No. EFA-001	Sample Measurement		27.6	27.6	23.1					
	Permit Requirement		Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P) PARM Code 00665 Y Mon. Site No. EFA-001	Sample Measurement			6.63						
	Permit Requirement			Report (An.Avg.)			mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P) PARM Code 00665 A Mon. Site No. EFA-001	Sample Measurement		4.96	4.96	4.96					
	Permit Requirement		Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)		mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

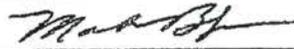
LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: October 1, 2014 To: October 31 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	3.0						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	11-25-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

Permit No: FLA014951-011-DW2P

Facility: Key West Resort Utility WWTP

 Monitoring Period From: October 1, 2014 To October 31, 2014

Code	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.506	.506	0.0	0.0	1.3	6.9	2.0				
2	.441	0.0	.409	.032	1.8	7.0	2.0				
3	.502	.502	0.0	0.0	1.8	7.1	0.9				
4	.562	.562	0.0	0.0	1.6	7.0	0.6				
5	.525	.525	0.0	0.0							
6	.525	.525	0.0	0.0	1.6	6.9	0.5				
7	.487	0.0	.457	.030	1.5	7.0	0.5	130.9	151	<2.0	3.60
8	.517	.517	0.0	0.0	1.6	7.0	1.6				
9	.543	.543	0.0	0.0	0.7	6.8	0.4				
10	.480	.480	0.0	0.0	0.9	6.9	0.6				
11	.555	.555	0.0	0.0	0.6	6.9	0.4				
12	.500	.500	0.0	0.0							
13	.500	.500	0.0	0.0	2.0	6.8	0.9				
14	.495	0.0	.466	.029	1.7	7.3	1.3				
15	.474	0.0	.454	.020	1.7	7.3	1.7				
16	.470	0.0	.447	.023	1.6	7.3	1.3				
17	.453	0.0	.430	.023	1.6	7.2	1.3				
18	.484	.303	.170	.011	1.9	7.0	0.7				
19	.442	.442	0.0	0.0							
20	.442	.442	0.0	0.0	0.7	7.1	3.0				
21	.488	.305	.174	.009	1.5/0.9	7.1	0.8	217.5	185	1.98	<0.5
22	.665	.416	.233	.016	1.5/0.6	7.0	1.0				
23	.850	.850	0.0	0.0	0.5	6.9	0.7				
24	.846	.846	0.0	0.0	1.4	6.8	0.3				
25	.677	.677	0.0	0.0	2.7	6.8	0.4				
26	.591	.591	0.0	0.0							
27	.546	.546	0.0	0.0	0.8	6.9	0.3				
28	.538	.336	.164	.038	1.5/0.6	7.0	1.1				
29	.494	.494	0.0	0.0	1.5	7.0	0.7				
30	.510	.510	0.0	0.0	1.5	7.0	0.5				
31	.484	0.0	.453	.031	1.7	7.1	0.3				
Total	16.592	12.473	3.857	.262	35.36	189.1	25.8	348.4	336	2.98	3.85
Mo. Avg.	.535	.402	.124	.009	1.31	7.00	0.96	174.2	168	1.49	1.93

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

### DAILY SAMPLE RESULTS - PART B

Permit Number: **FLA014951-011-DW2P**

Facility: **Key West Resort Utility WWTP**

Monitoring Period From: **October 1, 2014** To **October 31 2014**

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1	<0.5	<1						
2	1.4	<1						
3								
4								
5								
6	<0.5	<1						
7	<0.5	<1	27.60	4.96				
8	1.8	<1						
9	1.0	<1						
10								
11								
12								
13	<0.5	<1						
14	<0.5	<1						
15	<0.5	<1						
16	<0.5	<1						
17								
18								
19								
20	<0.5	<1						
21	<0.5	<1	18.60	4.95				
22	1.0	<1						
23	<0.5	<1						
24								
25								
26								
27	1.8	<1						
28	1.0	<1						
29	1.2	<1						
30	1.0	<1						
31								
Total	12.7	9	46.2	9.91				
Mo.	0.71	0.5	23.1	4.96				

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **R-001**  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: **SEPTEMBER\_1 2014** **SEPTEMBER 30 2014**

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.189						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.126						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.20		0		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			0.5				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	10/22/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: SEPTEMBER 1, 2014

SEPTEMBER 30 2014

To:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.8		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						1.9				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement	.438									
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement	0.499 (An.Avg.)		MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.0	1.0	1.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.503	.476								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						95%	%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						310.5				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						223				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: SEPTEMBER 1, 2014 SEPTEMBER 31 2014

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.238							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.370							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.0	1.0	1.0			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.18					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			6.0	6.0	3.10			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	10/22/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 OCT 24 2014  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: SEPTEMBER 1, 2014 To: SEPTEMBER 30 2014

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				0.5					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				0.5					
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.8		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				19.01					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			27.50	27.50	20.80				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.73					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			6.00	6.00	5.08				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Repor(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: SEPTEMBER 1, 2014 To: SEPTEMBER 30 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	4.4						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	10/22/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: **SEPTEMBER 1, 2014** To **SEPTEMBER 30 2014**

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.468	.468	0.0	0.0	1.5	7.0	0.6				
2	.493	0.0	.468	.025	1.5	7.1	1.9				
3	.472	0.0	.450	.022	1.9	7.0	0.8				
4	.478	0.0	.453	.025	1.5	7.0	0.2				
5	.459	.306	.146	.007	2.0	6.9	0.7				
6	.449	.449	0.0	0.0	3.6	7.1	0.5				
7	.457	.457	0.0	0.0	-	-	-				
8	.457	.457	0.0	0.0	1.5	6.9	2.3				
9	.481	0.0	.455	.026	1.6	7.0	1.8	162	119	<2.0	<0.5
10	.473	0.0	.452	.021	1.6	7.0	0.9				
11	.503	0.0	.480	.023	2.3	6.9	0.4				
12	.482	.482	0.0	0.0	3.1	6.8	0.5				
13	.485	.485	0.0	0.0	0.8	6.9	0.7				
14	.651	.651	0.0	0.0	-	-	-				
15	.651	.651	0.0	0.0	0.8	6.9	4.0				
16	.541	.541	0.0	0.0	0.7	7.0	0.6				
17	.461	.461	0.0	0.0	1.0	6.9	0.2				
18	.455	0.0	.421	.034	1.6	7.0	0.3				
19	.437	.437	0.0	0.0	1.0	7.0	1.0				
20	.481	.481	0.0	0.0	1.0	7.1	0.9				
21	.482	.482	0.0	0.0	-	-	-				
22	.460	.460	0.0	0.0	1.0	7.0	2.0				
23	.492	0.0	.456	.036	1.7	7.0	0.9	310.5	223	<2.0	6.0
24	.641	.641	0.0	0.0	0.5	6.9	1.7				
25	.669	.669	0.0	0.0	1.6	7.0	0.9				
26	.533	.533	0.0	0.0	0.8	6.8	0.7				
27	.517	.517	0.0	0.0	1.7	7.0	0.5				
28	.503	.503	0.0	0.0	-	-	-				
29	.503	.503	0.0	0.0	0.9	7.0	0.7				
30	.453	.453	0.0	0.0	1.0	6.9	0.9				
31											
<b>Total</b>	15.087	11.087	3.781	.219	38.2	181.1	26.6	472.5	342	2	6.25
<b>Mo. Avg.</b>	.503	.370	.126	.007	1.47	6.97	1.02	236.3	171	1	3.10

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility:

Key West Resort Utility WWTP

Monitoring Period

 From: SEPTEMBER 1, 2014 To SEPTEMBER 30 2014

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Code	00530	74055	00600	00665					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1									
2	<0.5	<1							
3	<0.5	<1							
4	<0.5	<1							
5									
6									
7									
8	1.0	<1							
9	<0.5	<1	14.10	4.16					
10	<0.5	<1							
11	<0.5	<1							
12									
13									
14									
15	<0.5	<1							
16	1.0	<1							
17	2.2	<1							
18	<0.5	<1							
19									
20									
21									
22	<0.5	<1							
23	<0.5	<1	27.50	6.00					
24	1.4	<1							
25	1.6	<1							
26									
27									
28									
29	1.6	<1							
30	<0.5	<1							
31									
Total	11.55	<1	41.60	10.16					
Mo.	0.68	<1	20.80	5.08					

**STAFFING:**

Shift Operator

Class:

B

Certificate No:

13317

Name:

Ted Yarboro

Day Shift Operator

Class:

C

Certificate No:

21394

Name:

Robert Bellino

Night Shift Operator

Class:

Certificate No:

Name:

Lead Operator

Class:

B

Certificate No:

5355

Name:

Mark Burkemper

459 DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

Final  
 N/A  
 R-001  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 reuse storage golf course pond and irrigation system, with Influent

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: AUGUST\_1 2014 AUGUST 31 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.196						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.250						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			<0.5		0		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	09-23-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 SEP 24 2014  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: AUGUST 1, 2014 To: AUGUST 31 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.8		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.50						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						4.9				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.433								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.20					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.80	1.80	1.40				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.486	.452								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						91%	%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						215.9				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						200				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **U-001**  
 DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From:   AUGU 1, 2014   To:   AUGUST 31 2014  

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement	.227						
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement	.229						
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.20				
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement		1.80	1.80	1.40			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement		60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.03				
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement		2.00	2.00	1.13			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement		60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	09-23-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From:    AUGUST 1, 2014    To:    AUGUST 31 2014   

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.8		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.8						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				18.54					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			13.10	13.10	10.49				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.72					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			4.51	4.51	4.38				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Repor(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **RMP-Q**  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: **AUGUST 1, 2014** To: **AUGUST 31 2014**

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	6.7						
PARM Code B0008 Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	09-23-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From:   AUGUST 1, 2014   To:   AUGUST 31, 2014  

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.459	.287	.166	.006	1.7	7.0	0.7				
2	.475	0.00	.458	.017	1.9	6.9	1.0				
3	.497	.497									
4	.503	.503			0.8	7.1	0.7				
5	.636	.636			0.7	6.8	1.2				
6	.492	.492			0.7	6.9	0.9				
7	.497		.489	.008	1.6	6.9	0.5				
8	.558	.451	.104	.003	1.6	6.8	0.6				
9	.546	.546			0.9	6.9	0.7				
10	.547	.547									
11	.462	.462			0.7	7.1	0.7	215.9	200	1.80	2.00
12	.514	.322	.186	.006	1.5/0.8	7.0	0.8				
13	.459		.446	.013	1.6	7.0	0.8				
14	.476		.463	.013	1.5	6.8	0.8				
15	.449		.443	.006	1.5	6.9	1.1				
16	.471		.460	.011	2.2	6.9	2.0				
17	.443	.443									
18	.443	.443			2.9	6.9	5.0				
19	.483		.470	.013	1.9	7.0	0.8				
20	.432		.426	.006	1.7	7.0	0.9				
21	.458		.447	.011	1.6	7.1	2.0				
22	.435	.127	.304	.004	2.6	7.0	4.9/3.5				
23	.448		.448		1.5	7.1	0.8				
24	.446	.446									
25	.446	.446			2.3	6.9	0.3				
26	.497		.493	.004	1.5	6.9	0.3	136.5	134	<2.0	<0.5
27	.484		.465	.019	2.7	6.9	1.8				
28	.536		.513	.023	1.5	7.0	0.3				
29	.483		.463	.020	1.5	7.0	0.5				
30	.521		.498	.023	1.7	7.0	0.9				
31	.468	.468									
Total	15,064	7,116	7,742	.206	41.6	180.8	31.0	352.4	334	2.80	2.25
Mo. Avg.	.486	.229	.250	.007	1.6	6.95	1.19	176.2	167	1.40	1.13

**PLANT STAFFING:**

Shift Operator	Class: <u>  B  </u>	Certificate No: <u>  13317  </u>	Name: <u>  Ted Yarboro  </u>
Day Shift Operator	Class: <u>  C  </u>	Certificate No: <u>  21394  </u>	Name: <u>  Robert Bellino  </u>
Night Shift Operator	Class: <u>          </u>	Certificate No: <u>          </u>	Name: <u>          </u>
Lead Operator	Class: <u>  B  </u>	Certificate No: <u>  5355  </u>	Name: <u>  Mark Burkemper  </u>

ISSUANCE/REISSUANCE DATE: February 20, 2012

## DAILY SAMPLE RESULTS - PART B

Permit Number:

FLA014951-011-DW2P

Facility:

Key West Resort Utility WWTP

Monitoring Period

 From:   AUGUST 1, 2014   To   AUGUST 31 2014  

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2								
3								
4	<0.5	<1						
5	<0.5	<1						
6	<0.5	<1						
7	<0.5	<1						
8								
9								
10								
11	<0.5	<1						
12	<0.5	<1	7.88	4.25				
13	<0.5	<1						
14	<0.5	<1						
15								
16								
17								
18	<0.5	<1						
19	<0.5	<1						
20	<0.5	<1						
21	<0.5Q	<1Q						
22								
23								
24								
25	<0.5	<1						
26	<0.5	<1 Q	13.10	4.51				
27	<0.5	<1						
28	<0.5	<1						
29								
30								
31								
Total	4.0	<1	20.98	8.76				
Mo.	0.25	<1	10.49	4.38				

**PLANT STAFFING:**

Day Shift Operator

Class:

  B  

Certificate No:

  13317  

Name:

  Ted Yarboro  

Day Shift Operator

Class:

  C  

Certificate No:

  21394  

Name:

  Robert Bellino  

Night Shift Operator

Class:

Certificate No:

Name:

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

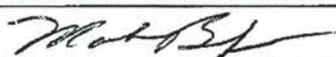
FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: July\_1 2014 JULY 31, 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.193						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.279						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			1.2		0		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	08/20/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 AUG 21 2014  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: JULY 1, 2014 To: JULY 31 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.8		7.3				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.0				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.427								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.17					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.97	1.97	1.54				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.439	.438								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						88%	88			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						381				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						236				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From:      To:     

     JULY 1, 2014 To:      JULY 31 2014     

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.222							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.150							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.17					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.97	1.97	1.54			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.03					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			0.25	0.25	0.25			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	08/20/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: JULY 1, 2014 To: JULY 31 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1						
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL			Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				<1						
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL			Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.1					
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.			5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.7							
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L			5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				18.68						
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L			Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			24.8	24.8	21.0					
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L			Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.47						
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L			Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			5.70	5.70	5.33					
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Repor(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L			Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: July 1, 2014 To: July 31 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	5.1						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	08-20-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From:   JULY 1, 2014   To:   JULY 31, 2014  

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.420		.375	.045	3.2	7.0	0.4	346.5	141.5	1.97	<0.5
2	.421		.403	.018	5.0	7.0	0.4				
3	.414		.399	.015	5.0	7.1	0.4				
4	.446		.425	.021	1.7	7.0	1.1				
5	.443		.426	.017	5.0	7.1	0.7				
6	.432	.432									
7	.432	.432			2.0	7.0	0.4				
8	.440		.422	.018	2.8	7.1	0.6				
9	.425		.404	.021	1.7	7.0	0.7				
10	.428		.407	.021	1.9	7.1	0.7				
11	.446		.430	.016	1.5	7.0	0.4				
12	.414		.396	.018	1.5	7.1	0.8				
13	.430	.430			0.7	7.0	0.5				
14	.415	.415			0.8	7.1	0.6				
15	.430		.415	.015	3.0	7.0	0.8	380.6	236	<2.0	<0.5
16	.403		.391	.012	1.6	7.1	0.8				
17	.414		.403	.011	1.7	7.1	1.7				
18	.440		.428	.012	1.5	7.1	2.0				
19	.399		.389	.010	1.8	7.0	1.0				
20	.451	.451									
21	.464	.464			2.4	7.0	1.0				
22	.514		.506	.008	2.7	7.1	1.3				
23	.480	.480			1.6	7.2	1.8				
24	.436	.436			1.7	7.2	1.4				
25	.424		.410	.014	2.0	7.2	1.8				
26	.535		.527	.008	1.6	7.0	0.5				
27	.412	.412									
28	.412	.412			1.4	7.1	0.7				
29	.463		.458	.005	1.6	7.3	0.4				
30	.465		.458	.007	1.7	7.3	1.4	193 J2	170	1.65 J2	<0.5
31	.453	.283	.163	.007	2.2	6.8	0.4				
<b>Total</b>	13.601	4.647	8.635	.319	61.3	198.1	24.7	920.1	547.5	4.62	0.75
<b>Mo. Avg.</b>	.439	.150	.279	0.010	2.2	7.1	0.88	307	183	1.54	0.25

2.50

**PLANT STAFFING:**

Day Shift Operator	Class: <u>  B  </u>	Certificate No: <u>  13317  </u>	Name: <u>  Ted Yarboro  </u>
Evening Shift Operator	Class: <u>  C  </u>	Certificate No: <u>  21394  </u>	Name: <u>  Robert Bellino  </u>
Night Shift Operator	Class: <u>          </u>	Certificate No: <u>          </u>	Name: <u>                  </u>
Lead Operator	Class: <u>  B  </u>	Certificate No: <u>  5355  </u>	Name: <u>  Mark Burkemper  </u>

ISSUANCE/REISSUANCE DATE: February 20, 2012

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From:  JULY 1, 2014  To  JULY 31 2014 

	Solids, Total Suspended mg/L Reuse	Collform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1	1.0	<1	24.80	5.70				
2	<0.5	<1						
3	<0.5	<1						
4								
5								
6								
7	<0.5	<1						
8	1.2	<1						
9	1.2	<1						
10	<0.5	<1						
11								
12								
13								
14	<0.5	<1						
15	<0.5	<1 Q	20.90	5.46				
16	<0.5	<1						
17	<0.5	<1						
18								
19								
20								
21	<0.5	<1						
22	<0.5	<1						
23	<0.5	<1						
24	<0.5	<1						
25								
26								
27								
28	1.0	<1						
29	1.0	<1	17.40	4.84				
30	1.0	<1						
31	<0.5	<1						
<b>Total</b>	9.65	<1	63.1	16.0				
<b>Mo. Avg.</b>	0.51	<1	21.0	5.33				

**PLANT STAFFING:**

Day Shift Operator	Class: <u> B </u>	Certificate No: <u> 13317 </u>	Name: <u> Ted Yarboro </u>
Day Shift Operator	Class: <u> C </u>	Certificate No: <u> 21394 </u>	Name: <u> Robert Bellino </u>
Night Shift Operator	Class: <u>     </u>	Certificate No: <u>     </u>	Name: <u>     </u>
Lead Operator	Class: <u> B </u>	Certificate No: <u> 5355 </u>	Name: <u> Mark Burkemper </u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

RECEIVED

JUL 23 2014

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

Final N/A  
 R-001  
 reuse storage golf course pond and irrigation system, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 D.E.P. Marathon

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: JUNE 1 2014 JUNE 30, 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.184						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.230						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			11.4		2		
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement		100%					
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement		75 (Mo.Total)		percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	07-22-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

2 TSS Ex this month:  
 Our Courier has changed his pickup time to early A.M. (usually noon or later)  
 I believe we're failing TSS during our morning washdown duties, troughs, filters  
 and CCC's. We have changed up our schedule, should be acceptable next month

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: JUNE 1, 2014 To: JUNE 30, 2014

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2			
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.	5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.73					
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L	Continuous	Meter
Turbidity	Sample Measurement						2.10			
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU	Continuous	Meter
Flow - TOTAL	Sample Measurement		.427							
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD					5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.68				
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L	Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2.0	<2.0	1.68			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.430	.441							
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD					5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						88%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent	Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						245			
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L	Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						168.3			
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L	Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP

Final  
 N/A  
 U-001  
 two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

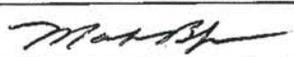
DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From:

\_ JUNE 1, 2014 \_ To: \_ JUNE 30 2014 \_

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.232							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.186							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.13					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			2.36	2.36	1.68			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.03					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			2.0	2.00	1.13			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkenper / Lead Operator		(305)295-3301	07-22-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From:    JUNE 1, 2014    To:   JUNE 30 2014   

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1						
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL			Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				<1						
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL			Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.2					
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.			5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.6							
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L			5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				18.17						
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L			Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			27.8	27.8	24.9					
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L			Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.50						
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L			Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			7.28	7.28	6.85					
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L			Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: June 1, 2014 To: June 30 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement		4.4								
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement		Report (Mo.Total)	dry tons					0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	07-22-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From:   JUNE 1, 2014   To:   JUNE 30, 2014  

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.429	.429	0.0	0.0							
2	.429	.429	0.0	0.0	2.6	7.1	0.8				
3	.444	0.0	.417	.027	3.3	7.2	2.0	181	151	<2.0	2.0
4	.452	0.0	.407	.045	1.8	7.0	1.1				
5	.492	.492	0.0	0.0	0.6	7.1	1.2				
6	.453	.453	0.0	0.0	0.7	7.0	1.1				
7	.436	0.0	.409	.027	1.7	7.0	1.4				
8	.424	.424	0.0	0.0							
9	.425	.425	0.0	0.0	0.8	7.1	1.6				
10	.435	0.0	.408	.027	1.6	7.1	2.1				
11	.418	0.0	.399	.019	1.7	7.1	1.8				
12	.417	0.0	.397	.020	1.6	7.2	1.2				
13	.429	0.0	.408	.021	1.7	7.2	2.1				
14	.393	0.0	.373	.020	1.6	7.1	1.4				
15	.421	.421	0.0	0.0							
16	.421	.421	0.0	0.0	1.0	7.1	1.4				
17	.442	0.0	.416	0.26	1.7	7.1	1.8	245	168.3	236	<0.5
18	.438	0.0	.415	.023	1.6	7.0	1.2				
19	.438	0.0	.411	.027	1.8	7.0	1.2				
20	.420	0.0	.396	.024	3.2	7.1	1.4				
21	.413	.413	0.0	0.0	1.5	7.0	1.0				
22	.413	.413	0.0	0.0	1.5	7.1	1.1				
23	.415	.415	0.0	0.0	1.2	7.2	0.7				
24	.430	0.0	.403	.027	1.6	7.2	1.0				
25	.445	0.0	.428	.017	1.8	7.1	1.0				
26	.430	0.0	.411	.019	1.7	7.2	0.9				
27	.401	0.0	.379	.022	1.7	7.2	1.5				
28	.441	0.0	.415	.026	1.5	7.0	1.3				
29	.422	.422	0.0	0.0							
30	.422	.422	0.0	0.0	3.6	7.0	0.7				
31											
<b>Total</b>	12.888	5.579	6.892	.417	45.1	184.5	34.0	426	319.3	3.36	2.25
<b>Mo. Avg.</b>	.430	.186	.230	.014	1.73	7.10	1.31	213	159.7	1.68	1.13

2.50

**STAFFING:**

Shift Operator	Class: <u>  B  </u>	Certificate No: <u>  13317  </u>	Name: <u>  Ted Yarboro  </u>
Day Shift Operator	Class: <u>  C  </u>	Certificate No: <u>  21394  </u>	Name: <u>  Robert Bellino  </u>
Night Shift Operator	Class: <u>          </u>	Certificate No: <u>          </u>	Name: <u>                  </u>
Lead Operator	Class: <u>  B  </u>	Certificate No: <u>  5355  </u>	Name: <u>  Mark Burkemper  </u>

ISSUANCE/REISSUANCE DATE: February 20, 2012

DEP Form 62-620.910(10), Effective Nov. 29, 1994

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: JUNE 1, 2014 To JUNE 30 2014

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1									
2	1.6	<1							
3	2.0	<1	21.9	7.28					
4	5.8*	<1							
5	1.0	<1							
6									
7									
8									
9	1.8	<1							
10	1.0	<1							
11	1.8	<1							
12	1.0	<1							
13									
14									
15									
16	<0.5	<1							
17	1.2	<1	27.8	6.41					
18	11.4*	<1							
19	1.2	<1							
20									
21									
22									
23	2.0	<1							
24	1.2	<1							
25	2.4	<1							
26	1.2	<1							
27									
28									
29									
30	0.9	<1							
31									
<b>Total</b>	37.75	8.5	49.7	13.69					
<b>Mo. Avg.</b>	2.22	<1	24.9	6.85					

**PLANT STAFFING:**

Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

Final  
 N/A  
**R-001**  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 reuse storage golf course pond and irrigation system, with Influent

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

From: **MAY\_1 2014** **MAY 31, 2014**

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.175.						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.313						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.5				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement		100%					
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement		75 (Mo.Total)		percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	06-13-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: MAY 1, 2014 To: MAY 31, 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.8		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.50				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		426								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2						
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.446	.437								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						88%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						276.5				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						141.0				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **U-001**  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From:   MAY 1, 2014   To:   MAY 31 2014  

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - WELLS	Sample Measurement	.240								
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow - WELLS	Sample Measurement	.116								
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.07					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement				1.10					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			2.00	1.40	<0.5				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	06-18-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From:    MAY 1, 2014    To:   MAY 31 2014   

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				<1	<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.1				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			1.70						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				17.39					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			24.40	24.40	22.75				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.71					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			6.93	6.93	6.65				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

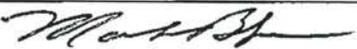
LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: MAY 1, 2014 To: MAY 31 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	4.0						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	06-13-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From:   MAY 1, 2014   To:   MAY 31, 2014  

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EPB-001	INF-001	INF-001	EFA-001	EFA-001
1	.478	0	.459	.019	1.7	7.0	2.5				
2	.469	0	.449	.020	1.6	7.1	0.8				
3	.463	0	.428	.035	1.5	7.0	1.0				
4	.476	.476	0	0	0	0	0				
5	.476	.476	0	0	1.7	7.0	0.7				
6	.472	0	.442	.030	1.6	7.2	0.4	276.5	129	<2	<0.5
7	.431	0	.412	.019	1.8	7.2	0.8				
8	.457	0	.436	.021	1.8	7.2	1.3				
9	.401	0	.381	.020	1.7	7.1	2.1				
10	.426	0	.387	.039	1.7	6.8	2.1				
11	.445	.445	0	0	0	0	0				
12	.445	.445	0	0	2.3	7.0	2.0				
13	.456	0	.432	.024	1.7	7.1	1.4				
14	.477	0	.459	.018	2.0	7.2	0.8				
15	.482	0	.459	.023	1.7	7.2	1.1				
16	.481	0	.455	.026	1.7	7.1	1.4				
17	.414	0	.385	.029	2.4	7.0	0.80				
18	.440	.440	0	0	0	0	0				
19	.440	.440	0	0	2.8	7.1	0.5				
20	.448	0	.420	.028	2.0	7.2	0.6				
21	.438	0	.423	.015	1.7	7.2	0.8	165.5	141	<2	<0.5
22	.444	0	.418	.026	1.8	7.2	0.8				
23	.454	0	.433	.021	1.6	7.1	2.1				
24	.378	0	.357	.021	2.0	7.0	0.5				
25	.434	.434	0	0	0	0	0				
26	.434	.434	0	0	3.0	7.1	1.1				
27	.448	0	.423	.025	1.7	7.1	0.8				
28	.420	0	.404	.016	1.6	7.1	0.5				
29	.441	0	.423	.018	1.7	7.2	0.7				
30	.442	0	.404	.018	3.0	7.2	0.6				
31	.431	0	.410	.021	1.5	7.1	0.5				
<b>Total</b>	13.821	3.590	9.699	0.532	51.3	191.8	28.7	442	270	2	0.5
<b>Mo. Avg.</b>	.446	.116	.313	.017	1.90	7.10	1.06	221	135	1	<0.5

2.50

**PLANT STAFFING:**

Day Shift Operator

 Class:   B  

 Certificate No:   13317  

 Name:   Ted Yarboro  

Day Shift Operator

 Class:   C  

 Certificate No:   21394  

 Name:   Robert Bellino  

Night Shift Operator

 Class:           

 Certificate No:           

 Name:                   

Lead Operator

 Class:   B  

 Certificate No:   5355  

 Name:   Mark Burkemper  
**RECEIVED**

JUN 17 2014

**D.E.P. Marathon**

ISSUANCE/REISSUANCE DATE: February 20, 2012

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From:   MAY 1, 2014   To   MAY 31 2014  

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Code	00530	74055	00600	00665					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1	1.0	<1							
2									
3									
4									
5	<0.5	<1							
6	<0.5	<1	21.10	6.37					
7	1.0	<1							
8	<0.5	<1							
9	0	0							
10	0	0							
11	0	0							
12	<0.5	<1							
13	<0.5	<1							
14	<0.5	<1							
15	<0.5	<1							
16	0	0							
17	0	0							
18	0	0							
19	<0.5	<1							
20	<0.5	<1							
21	<0.5	<1	24.40	6.93					
22	<0.5	<1							
23	0	0							
24	0	0							
25	0	0							
26	0	0							
27	2.0	<1							
28	1.2	<1							
29	1.0	<1							
30	0	0							
31	0	0							
<b>Total</b>	8.95	8	45.5	13.3					
<b>Mo. Avg.</b>	0.56	<1	22.75	6.65					

**PLANT STAFFING:**

Day Shift Operator	Class: <u>  B  </u>	Certificate No: <u>  13317  </u>	Name: <u>  Ted Yarboro  </u>
Day Shift Operator	Class: <u>  C  </u>	Certificate No: <u>  21394  </u>	Name: <u>  Robert Bellino  </u>
Night Shift Operator	Class: <u>          </u>	Certificate No: <u>          </u>	Name: <u>                  </u>
Lead Operator	Class: <u>  B  </u>	Certificate No: <u>  5355  </u>	Name: <u>  Mark Burkemper  </u>

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

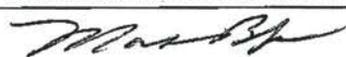
LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **R-001**  
 DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD **From: APRIL 1 2014** **APRIL 30, 2014**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.164						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.301						
PARM Code 50050 1 Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.010						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.2				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	05/21/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**

MAY 22 2014

D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: APRIL 1, 2014 To: APRIL 30, 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.4						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.6				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.425								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.28					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2	<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.448	.441								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						88				
PARM Code 00180 1 Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						.292				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						214				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

RECEIVED

MAY 22 2014

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: APRIL 1, 2014 To: APRIL 30 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.233							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.128							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2	<2				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.21					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)			mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			2.0	2.0	2.0			
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	05/21/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**RECEIVED**  
 MAY 22 2014

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: APRIL 1, 2014 To:APRIL 30 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				<1						
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL			Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				<1	<1					
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL			Every 2 weeks	Grab
pH	Sample Measurement			7.0		7.0					
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.			5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			1.0							
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L			5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				17.3						
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L			Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			22.6	22.6	21.1					
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L			Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.64						
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L			Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			7.54	7.54	6.43					
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L			Every 2 weeks	8-hr FPC

RECEIVED

MAY 22 2014

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: APRIL 1, 2014 To: APRIL 30 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	6.2						
PARM Code B0008 + Mon. Site No RMP-1	Permit Requirement	Report (Mo.Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	05/21/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 MAY 22 2014  
 D.E.P. Marathon

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: **APRIL 1, 2014** To: **APRIL 30, 2014**

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.437	0	.410	.027	1.6	7.0	1.1				
2	.473	.0	.454	0.19	1.4	7.0	0.7				
3	.446	0	.428	.018	4.4	7.1	2.6				
4	.454	0	.432	.022	3.6	7.0	2.2				
5	.432	.288	.114	.030	1.6	7.0	1.4				
6	.418	.418									
7	.420	.420			1.5	7.0	1.8				
8	.413	0	.388	.025	1.8	7.1	2.0	187	175	<2.0	2.0
9	.487	0	.453	.034	1.6	7.0	1.5				
10	.448	0	.414	.034	2.5	7.0	0.7				
11	.442	0	.418	.024	1.6	7.0	0.8				
12	.401	0	.370	.031	2.9	7.1	0.6				
13	.436	.436									
14	.435	.435			1.8	7.0	0.9				
15	.452	0	.423	.029	1.8	7.1	0.9				
16	.450	0	.429	.021	3.0	7.1	0.7				
17	.446	0	.425	.021	1.6	7.1	0.5				
18	.432	0	.413	.019	1.8	7.1	0.8				
19	.438	0	.411	.027	1.5	7.0	0.7				
20	.446	.446									
21	.446	.446			1.0	7.0	0.4				
22	.450	0	.418	.032	1.5	7.0	0.5	292	214	<2.0	<0.5
23	.460	0	.438	.022	1.7	7.1	0.4				
24	.438	0	.415	.023	1.5	7.0	0.4				
25	.474	0	.442	.032	1.6	7.0	0.4				
26	.452	0	.425	.027	1.7	7.0	0.7				
27	.480	.480									
28	.480	.480			2.4	7.0	1.9				
29	.494	0	.467	.027	1.7	7.2	1.4				
30	.464	0	.446	.018	1.6	7.1	1.3				
31											
<b>Total</b>	13.444	3.849	9.033	.562	50.7	183.1	27.3	479	389	<2	2.25
<b>Mo. Avg.</b>	.448	.128	.301	.019	1.95	7.04	1.05	240	195	<2	1.13

2.50

**PLANT STAFFING:**

 Day Shift Operator      Class: B      Certificate No: 13317      Name: Ted Yarboro

 Night Shift Operator      Class: C      Certificate No: 21394      Name: Robert Bellino

Night Shift Operator      Class: \_\_\_\_\_      Certificate No: \_\_\_\_\_      Name: \_\_\_\_\_

 Lead Operator      Class: B      Certificate No: 5355      Name: Mark Burkemper
**RECEIVED**
**MAY 22 2014**
**D.E.P. Water**

ISSUANCE/REISSUANCE DATE: February 20, 2012

DEP Form 62-620.910(10), Effective Nov. 29, 1994

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: APRIL 1, 2014 To APRIL 30 2014

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1	1.4	<1							
2	1.0	<1							
3	<0.5	<1							
4									
5									
6									
7	<0.5	<1							
8	<0.5	<1	22.6	7.54					
9	<0.5	<1							
10	<0.5	<1							
11									
12									
13									
14	<0.5	<1							
15	1.6	<1							
16	1.6	<1							
17	1.2	<1							
18									
19									
20									
21	<0.5	<1							
22	1.0	<1	19.5	5.31					
23	1.2	<1							
24	1.4	<1							
25									
26									
27									
28	1.8	<1							
29	1.4	<1							
30	2.2	<1							
31									
<b>Total</b>	17.55	9.0	42.1	12.85					
<b>Mo. Avg.</b>	0.98	<1	21.1	6.43					

RECEIVED

MAY 22 2014

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

D.E.P. Marathon

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **R-001**  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

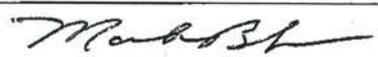
RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: **March 1 2014** **March 31, 2014**

COUNTY: **Monroe**  
 OFFICE: **South District**

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	..159						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.163						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.010						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			2.2				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	04-23-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: March 1, 2014 To: March 31, 2014

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.9	7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5					
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)		mg/L		Continuous	Meter
Turbidity	Sample Measurement					2.4				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement					Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.421							
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD					5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.3				
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1	1	1				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.418	.419							
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD					5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						84%			
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent	Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement					259				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement					Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement					233				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement					Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:

Final  
 N/A  
 U-001  
 two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: March 1, 2014 To: March 31 2014

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.254							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.243							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.3					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1	1				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.30					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement		1.67	0.96	0.96				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	04-23-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED

APR 23 2014

D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: March 1, 2014 To: March 31 2014

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.8		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			1.1						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				16.80					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement			18.30	18.30	18.20				
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement				6.55					
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement			10.20	10.20	9.97				
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: March 1, 2014 To: March 31, 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	6.6						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	04-23-2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: March 1, 2014 To: March 31, 2014

Code	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.321	.321	-	-	1.3	6.8	2.4				
2	.297	.297	-	-	-	-	-				
3	.297	.297	-	-	1.5	6.9	1.2				
4	.305	.305	-	-	3.0	7.0	1.3				
5	.289	-	.259	.030	2.2	7.0	1.1				
6	.310	-	.288	.022	1.7	7.2	1.5				
7	.345	.216	.117	.012	1.8	7.2	1.3				
8	.330	.330	-	-	1.1	7.1	0.5				
9	.297	.297	-	-	-	-	-				
10	.296	.296	-	-	1.6	7.2	1.2				
11	.295	-	.262	.033	3.5	7.1	0.8	259	233	<2.0	1.67
12	.425	-	.392	.033	4.1	7.0	1.4				
13	.502	.314	.176	.012	4.7	7.1	0.8				
14	.568	.355	.200	.013	2.3	7.2	0.8				
15	.466	-	.432	.034	2.8	6.9	0.8				
16	.477	.477	-	-	-	-	-				
17	.477	.477	-	-	3.5	7.2	0.6				
18	.505	-	.466	.039	2.8	7.0	0.8				
19	.456	-	.432	.024	3.8	7.1	0.8				
20	.490	.490	-	-	2.4	7.1	1.0				
21	.474	.474	-	-	2.0	7.0	1.8				
22	.458	-	.426	.032	3.2	7.1	0.6				
23	.451	.451	-	-	-	-	-				
24	.451	.451	-	-	2.4	7.1	0.8				
25	.485	-	.463	.022	1.8	7.0	0.9	153	168	<2.0	<0.5
26	.539	-	.520	.019	1.7	7.1	2.1				
27	.491	-	.453	.038	1.5	7.1	1.6				
28	.495	.495	-	-	1.7	7.1	1.2				
29	.470	.294	.165	.011	1.5	7.0	0.7				
30	.444	.444	-	-	-	-	-				
31	.444	.444	-	-	5.0	7.1	0.8				
<b>Total</b>	<b>12.950</b>	<b>7.525</b>	<b>5.051</b>	<b>.374</b>	<b>64.9</b>	<b>183.7</b>	<b>28.8</b>	<b>412</b>	<b>401</b>	<b>2.0</b>	<b>1.92</b>
<b>Mo. Avg.</b>	<b>.418</b>	<b>.243</b>	<b>.163</b>	<b>0.012</b>	<b>2.50</b>	<b>7.07</b>	<b>1.11</b>	<b>206</b>	<b>201</b>	<b>&lt;2.0</b>	<b>0.96</b>

2.50

**PLANT STAFFING:**

Night Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

ISSUANCE/REISSUANCE DATE: February 20, 2012

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: March 1, 2014 To March 31 2014

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
00530	74055	00600	00665						
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1									
2									
3	1.0	<1							
4	<0.5	<1							
5	1.4	<1							
6	2.0	<1							
7									
8									
9									
10	1.4	<1							
11	<0.5	<1	18.10	10.2					
12	<0.5	<1							
13	1.6	<1							
14									
16									
17	<0.5	<1							
18	<0.5	<1							
19	1.6	<1							
20	<0.5	<1							
21									
22									
23									
24	1.2	<1							
25	<0.5	<1							
26	2.2	<1	18.30	9.75					
27	<0.5	<1							
28									
29									
30									
31	1.6	<1							
<b>Total</b>	16	8.5	36.40	19.93					
<b>Mo. Avg.</b>	0.94	<1	18.20	9.97					

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

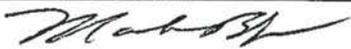
COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: February\_1 2014 February 28, 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	.161						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	.121						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	.009						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			3.2				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	03/25/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED  
 MAR 26 2014  
 D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: February 1, 2014 To: February 28, 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				6.9		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.2				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement		.420								
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.37					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				1.59	1.59	1.30				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.456	.400								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						80%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						220				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						165				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

Day St

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER:

FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:

Final  
 N/A  
 U-001  
 two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

Key West, FL 33045

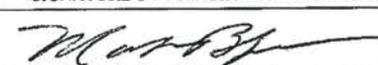
RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From:

February 1, 2014 To: February 28 2014

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	.251							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	.326							
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.37					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.59	1.30				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.57					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement			3.20	1.43				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		(305)295-3301	03/25/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: February 1, 2013 To: February 28, 2013

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal PARM Code 74055 Y Mon. Site No. EFA-001	Sample Measurement				1						
	Permit Requirement				200 (An.Avg.)			#/100mL		Every 2 weeks	Grab
Coliform, Fecal PARM Code 74055 A Mon. Site No. EFA-001	Sample Measurement				1		1				
	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)		#/100mL		Every 2 weeks	Grab
pH PARM Code 00400 A Mon. Site No. EFA-001	Sample Measurement				6.9		7.2				
	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-001	Sample Measurement				0.8						
	Permit Requirement				0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total PARM Code 00600 Y Mon. Site No. EFA-001	Sample Measurement					17.36					
	Permit Requirement					Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total PARM Code 00600 A Mon. Site No. EFA-001	Sample Measurement				22.9	22.9	19.2				
	Permit Requirement				Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P) PARM Code 00665 Y Mon. Site No. EFA-001	Sample Measurement					6.07					
	Permit Requirement					Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P) PARM Code 00665 A Mon. Site No. EFA-001	Sample Measurement				8.94	8.94	8.13				
	Permit Requirement				Report(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K. W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **RMP-Q**  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: **February 1, 2014** To: **February 28, 2014**

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement	7.2						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	03/25/2014

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: February 1, 2013 To: February 28, 2013

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.400	.400	0	0	3.0	6.9	0.8				
2	.391	.391	0	0	-	-	-				
3	.392	.392	0	0	1.8	7.2	1.0				
4	.380	0	.345	.035	4.1	7.2	1.0				
5	.392	.366	0	.026	4.0	7.1	1.0				
6	.366	.366	0	0	4.0	7.0	0.5				
7	.474	.474	0	0	4.0	6.9	0.5				
8	.487	.487	0	0	2.2	7.0	0.4				
9	.487	.487	0	0	-	-	-				
10	.487	.487	0	0	2.7	7.0	0.5				
11	.479	.479	0	0	3.0	7.0	0.5				
12	.463	.463	0	0	3.0	7.1	0.5	220	165	<2.0	1.67
13	.512	0	.481	.031	2.8	7.0	0.4				
14	.560	.417	.133	.010	1.5	6.9	0.4				
15	.522	.435	.087	0	1.5/0.8	6.9	0.5				
16	.522	.522	0	0	-	-	-				
17	.522	.522	0	0	1.2	7.1	0.4				
18	.516	.516	0	0	2.0	7.0	0.5				
19	.490	.316	.163	.011	1.6	7.1	0.5				
20	.501	.323	.167	.011	1.5	7.1	0.4				
21	.513	0	.483	.030	1.5	7.1	0.5				
22	.571	0	.549	.022	1.5	7.1	0.5				
23	.482	.482	0	0	-	-	-				
24	.482	.482	0	0	1.5	7.0	0.5				
25	.432	0	.407	.025	3.4	7.1	0.6	142.5	63	1.59	1.67
26	.321	.317	0	.004	2.1	7.1	2.2				
27	.325	0	.292	.033	2.2	7.1	2.0				
28	.307	0	.286	.021	1.7	7.0	2.1				
29											
30											
31											
Total	12.776	9.124	3.393	.259	57.1	169	18.2	362.5	228	2.59	3.34
Mo. Avg.	.456	.326	.121	.009	2.38	7.04	0.76	181.3	114	1.30	1.67

**PLANT STAFFING:**

Evening Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Day Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: February 1, 2013 To February 28 2013

Code	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L					
00530	74055	00600	00665						
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001					
1									
2									
3	2.2	<1							
4	1.6	<1							
5	1.0	<1							
6	<0.5	<1							
7									
8									
9									
10	1.4	<1							
11	<0.5	<1							
12	1.0	<1	22.9	7.31					
13	<0.5	<1							
14									
15									
16									
17	1.6	<1							
18	1.8	<1							
19	2.0	1							
20	1.0	1							
21									
22									
23									
24	2.0	<1							
25	1.2	<1	15.5	8.94					
26	2.2	1							
27	3.2	<1							
28									
29									
30									
31									
<b>Total</b>	22.95	9.5	38.4	16.25					
<b>Mo. Avg.</b>	1.43	<1	19.2	8.13					

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Night Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 ADDRESS: Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse storage golf course pond and irrigation system, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

COUNTY: Monroe  
 OFFICE: South District

MONITORING PERIOD From: January 28, 2014 January 31, 2014

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow - POND	Sample Measurement	0.183						
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - POND	Sample Measurement	0.18						
PARM Code 50050 I Mon. Site No. FLW-003	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer
Flow - MCDC	Sample Measurement	0.012						
PARM Code 50050 Q Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer
Solids, Total Suspended	Sample Measurement			3.17				
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement			5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal	Sample Measurement			<1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			25 (Max.)	#/100mL		4 Days/Week	Grab
Coliform, Fecal, % less than detection	Sample Measurement			100%				
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Mo.Total)	percent		4 Days/Week	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator	<i>Mark Burkemper</i>	(305)295-3301	2-27-14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

RECEIVED

MAR 03 2014

D.E.P. Marathon

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP R-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: January 1, 2014 To: January 31, 2014

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement				7.0		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement				1.5						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity	Sample Measurement						2.1				
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement						Report (Max.)	NTU		Continuous	Meter
Flow - TOTAL	Sample Measurement	.415									
PARM Code 50050 R Mon. Site No. FLW-001	Permit Requirement	0.499 (An.Avg.)		MGD						5 Days/Week	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement					1.34					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					20.0 (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement				<2.0	<2.0	<2.0				
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Flow - TOTAL	Sample Measurement	.382	.376								
PARM Code 50050 S Mon. Site No. FLW-001	Permit Requirement	Report (Mo.Avg.)	Report (Qt.Avg.)	MGD						5 Days/Week	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						75%				
PARM Code 00180 I Mon. Site No. FLW-001	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						281.74				
PARM Code 80082 G Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						230.00				
PARM Code 00530 Q Mon. Site No. INF-001	Permit Requirement						Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP: two Class V injection wells  
 DESCRIPTION:

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: January 1, 2014 To: January 31, 2014

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow - WELLS	Sample Measurement	0.224							
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	.499 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow - WELLS	Sample Measurement	0.323							
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			1.34					
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement			<2.0	<2.0	<2.0			
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement			1.47					
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Every 2 weeks	8-hr FPC	
Solids, Total Suspended	Sample Measurement		3.17	1.70	1.70				
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator	<i>Mark Burkemper</i>	(305)295-3301	2-27-14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: January 1, 2014 To:

January 31, 2014

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement				1					
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Every 2 weeks	Grab
Coliform, Fecal	Sample Measurement				1	1				
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Every 2 weeks	Grab
pH	Sample Measurement			6.9		7.2				
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement			0.8						
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement				17.19					
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement		20.00	15.09	15.09					
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			Report (Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				Report (An.Avg.)		mg/L		Every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement		7.87	6.40	6.40					
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			Repor(Max.)	Report (Wk.Avg.)	Report (Mo.Avg.)	mg/L		Every 2 weeks	8-hr FPC

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: FLA014951-011-DW2P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

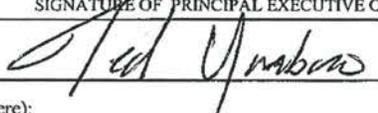
LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: January 1, 2014 To: January 31 2014

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement	4.6						
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo. Total)	dry tons			0	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
Mark Burkemper / Lead Operator		305-295-3301	2-27-14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: January 1, 2014 To: January 31, 2014

	Flow MGD Total	Flow MGD Wells	Flow MGD Pond	Flow MGD MCDC	Chlorine, Total Residual (For	pH s.u.	Turbidity NTU Reuse	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
Code	50050	50050	50050	50050	50060	00400	00070	80082	00530	80082	00530
Mon. Site	FLW-001	FLW-002	FLW-003	FLW-004	EFA-001	EFA-001	EFB-001	INF-001	INF-001	EFA-001	EFA-001
1	.339	.212	.115	.012	1.5	7.1	0.6				
2	.356	.356	0.0	0.0	1.0	7.1	0.6				
3	.376	0.0	.364	.012	1.8	7.0	0.5				
4	.345	0.0	.309	.036	1.6	7.0	0.6				
5	.579	.579	0.0	0.0							
6	.579	.579	0.0	0.0	0.9	6.9	0.5				
7	.436	.436	0.0	0.0	1.5	7.1	0.5	185.50	230.00	<2.0	3.17
8	.436	.436	0.0	0.0	1.8	7.1	0.4				
9	.372	.372	0.0	0.0	2.0	7.0	0.3				
10	.394	.394	0.0	0.0	1.3	6.9	0.4				
11	.369	.369	0.0	0.0	1.5	7.1	0.6				
12	.363	.363	0.0	0.0							
13	.363	.363	0.0	0.0	1.5	7.0	0.7				
14	.347	.311	0.0	.036	2.2	7.0	0.6				
15	.345	.313	0.0	.032	3.0	7.2	0.6				
16	.338	.315	0.0	.023	2.5	7.2	0.6				
17	.319	.319	0.0	0.0	1.0	7.0	0.8				
18	.400	.364	0.0	.036	2.5	7.0	0.9				
19	.325	.325	0.0	0.0							
20	.325	.325	0.0	0.0	3.0	7.1	1.2				
21	.364	0.0	.329	.035	4.2	7.0	1.4	281.74	200.00	<2.0	1.70
22	.366	.346	0.0	.020	4.4	7.0	1.8				
23	.369	.348	0.0	.021	4.0	7.2	0.4				
24	.339	.307	0.0	.032	1.1/1.5	7.2	0.9				
25	.329	.329	0.0	0.0	1.6	7.1	2.1				
26	.350	.350	0.0	0.0							
27	.350	.350	0.0	0.0	2.0	7.2	0.90				
28	.378	.344	0.0	.034	0.8/1.5	7.1	0.8	262.61	228.00	<2.0	<0.5
29	.380	0.0	.360	.020	5.0	7.0	0.8				
30	.466	.466	0.0	0.0	2.0	7.0	0.7				
31	.443	.440	0.0	.003	2.5	7.0	0.8				
<b>Total</b>	<b>11.840</b>	<b>10.011</b>	<b>1.477</b>	<b>0.352</b>	<b>58.9</b>	<b>190.6</b>	<b>21.00</b>	<b>729.85</b>	<b>658.00</b>	<b>6.0</b>	<b>5.12</b>
<b>Mo. Avg.</b>	<b>0.382</b>	<b>0.323</b>	<b>0.048</b>	<b>0.011</b>	<b>2.2</b>	<b>7.1</b>	<b>0.8</b>	<b>243.28</b>	<b>219.33</b>	<b>2.0</b>	<b>1.71</b>

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

## DAILY SAMPLE RESULTS - PART B

 Permit Number: **FLA014951-011-DW2P**

 Facility: **Key West Resort Utility WWTP**

 Monitoring Period From: January 1, 2014 To January 31, 2014

	Solids, Total Suspended mg/L Reuse	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L				
Code	00530	74055	00600	00665				
Mon. Site	EFB-001	EFA-001	EFA-001	EFA-001				
1								
2	<0.5	<1						
3								
4								
5								
6	<0.5	<1						
7	2.6	<1	7.49	4.23				
8	2.0	<1						
9	3.0	<1						
10								
11								
12								
13	<0.5	<1						
14	<0.5	<1						
15	<0.5	<1						
16	<0.5	<1						
17								
18								
19								
20	<0.5	<1						
21	<0.5	<1	17.80	7.87				
22	<0.5	<1						
23	<0.5	<1						
24								
25								
26								
27	1.0	<1						
28	<0.5	<1	20.00	7.11				
29	1.0	<1						
30	<0.5	<1						
31								
Total	12.6	<1	45.29	19.21				
Mo. Avg.	0.74	<1	15.10	6.40				

**PLANT STAFFING:**

Day Shift Operator	Class: <u>B</u>	Certificate No: <u>13317</u>	Name: <u>Ted Yarboro</u>
Shift Operator	Class: <u>C</u>	Certificate No: <u>21394</u>	Name: <u>Robert Bellino</u>
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: <u>B</u>	Certificate No: <u>5355</u>	Name: <u>Mark Burkemper</u>

# INSPECTION REPORTS



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

MARATHON BRANCH OFFICE  
2796 OVERSEAS HIGHWAY, SUITE 221  
MARATHON, FLORIDA 33050

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

SENT VIA ELECTRONIC MAIL

November 10, 2014

Mr. Chris Johnson, President  
6630 Front Street  
Key West, Florida 33040  
Email: [chriskw@bellsouth.net](mailto:chriskw@bellsouth.net)

RE: Key West Resort Utility Wastewater Treatment Plant  
FLA014951  
Monroe County

Dear Mr. Johnson:

Department personnel conducted a Reconnaissance Inspection of the above-referenced Facility on September 29, 2014. Based on the information provided during the inspection, the Facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is enclosed.

The Department appreciates your efforts to maintain this Facility in compliance with state and federal rules. Should you have any questions or comments, please contact Devon Villareal at (305)289-7075 or via e-mail at [Devon.Villareal@dep.state.fl.us](mailto:Devon.Villareal@dep.state.fl.us).

Sincerely,

---

Gus Rios  
Environmental Administrator  
South District Marathon Branch Office

Enclosure

cc: Ted Yarboro, KWRU, ([ted@kwru.com](mailto:ted@kwru.com))



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

@ = Optional

**WASTEWATER COMPLIANCE INSPECTION REPORT**  
FACILITY AND INSPECTION INFORMATION

Name and Physical Location of Facility Key West Resort Utility 6630 Front St., Stock Island Key West, FL 33045	WAFR ID: FLA014951	County Monroe Phone (305) 289-4161	Entry Date/Time 9/29/2014 @ Exit Date/Time 9/29/2014
Name(s) of Field Representatives(s) Ted Yarboro Mark Burkemper	Title Operator Operator	Email <u>ted@kwru.com</u>	Phone 305-481-2138 305-295-3301
Name and Address of Permittee or Designated Representative Christopher Johnson 6630 Front Street Key West, FL 33040	Title President Email <u>chriskw@bellsouth.net</u>	Phone (305) 289-4161	@ Operator Certification # WWB0013317 WWB0005355 WWA0013917
Inspection Type: <input type="checkbox"/> R <input checked="" type="checkbox"/> I <input type="checkbox"/> <input type="checkbox"/>	Samples Taken(Y/N): N	@ Sample ID#:	Samples Split (Y/N): N
<input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial	Were Photos Taken(Y/N): N	@ Log book Volume :	@ Page

**FACILITY COMPLIANCE AREAS EVALUATED**

IC: In Compliance; MC: Minor Out of Compliance; NC: Out of Compliance SC: Significant Non-Compliance;  
NA: Not Applicable; NE or Blank: Not Evaluated

Significant Non-Compliance Criteria Should be Reviewed When Out of Compliance Ratings Are Given in Areas Marked by a "♦"

	PERMITS/ORDERS		SELF MONITORING PROGRAM		FACILITY OPERATIONS		EFFLUENT/DISPOSAL
IC	1. ♦ Permit	NA	3. Laboratory	IC	6. Facility Site Review	IC	9. ♦ Effluent Quality
NA	2. ♦ Compliance Schedules	MC	4. Sampling	IC	7. Flow Measurement	IC	10. ♦ Effluent Disposal
		IC	5. ♦ Records & Reports	IC	8. ♦ Operation & Maintenance	IC	11. Biosolids/Sludge
						NA	12. Groundwater
NA	14. Other:					NE	13. SSO Survey

Facility and/or Order Compliance Status:  In-Compliance  Out-Of-Compliance  Significant-Out-Of-Compliance

Recommended Actions:

Name(s) and Signature(s) of Inspector(s) Devon Villareal <i>Devon Villareal</i>	District Office/Phone Number SDB/ (305)289-7070	Date 10/28/14
@ Signature of Reviewer Diane Loughlin <i>Diane Loughlin</i>	District Office/Phone Number SD/ (239)344-5641	Date 10/29/2014

## INSPECTION REPORT SUMMARY

**Facility Name:** Key West Resort Utility  
**Facility ID:** FLA014951  
**Inspection Type:** RI  
**Inspection Date:** 9/29/2014

### FACILITY BACKGROUND:

**Facility Address:** 6630 Front St., Stock Island, Key West, FL 33045, Monroe County  
**Program/ Permit Information:** DW, permit issue date: 2/20/2012, expiration date: 2/19/2017  
**Treatment Summary:** Extended aeration with filtration and chlorinated effluent to two Class V wells or reuse  
**Permitted Capacity:** 0.499 MGD

1. **Permit:** RATING – IN COMPLIANCE

1.1 **Observation:** A copy of the permit was onsite and available to plant personnel.

2. **Compliance Schedules:** RATING – NOT APPLICABLE

2.1 **Observation:** No observations were recorded.

3. **Laboratory:** RATING – NOT APPLICABLE

3.1 **Observation:** No observations were recorded.

4. **Sampling:** RATING – IN COMPLIANCE

4.1 **Observation:** Calibrations were performed correctly.

**Additional Comments:** Need to perform annual primary verification for Field Chlorine.

4.2 **Observation:** Safe and dry access to influent and effluent sampling points are provided.

4.3 **Observation:** Calibration standards/buffers were within the expiration dates.

4.4 **Observation:** Please see specific comment

**Additional Comments:** Ensure that calibrated thermometers exist in all refrigerated units where composite samples are stored.

4.5 **Observation:** The chain of custody form was not being filled out properly.

**Additional Comments:** The individual or individuals collecting samples must sign the Chain of Custody prior to releasing the samples to a courier or the laboratory.

5. **Records and Reports:** RATING – IN COMPLIANCE

5.1 **Observation:** *General* – A copy of the current laboratory certification was available at the time of the inspection (62-620.350(1) F.A.C.).

**Additional Comments:** Need to also place current certification for laboratory analyzing nutrients onsite.

5.2 **Observation:** *General* – Operators' certifications were current and available on-site.

5.3 **Observation:** *General* – The certified operator's daily logbook was complete.

6. **Facility Site Review:** RATING – IN COMPLIANCE

6.1 **Observation:** *General* – The facility grounds were secured properly.

6.2 **Observation:** *General* – The facility grounds were clean and well maintained.

6.3 **Observation:** *General* – Foul odors did not permeate beyond the boundaries of the plant site at the time of the inspection.

- 6.4 Observation: *AlternatePower* – An alternative power source is available at the WWTF.
- 6.5 Observation: *AlternatePower* – The onsite generator is tested under load on a routine basis
- 6.6 Observation: *AlternatePower* – A record of testing was available for the onsite generator.
- 6.7 Observation: *AerationBasins/Act.Sludge* – The contents in the aeration chambers appeared to be adequately mixed.
- 6.8 Observation: *AerationBasins/Act.Sludge* – The air line(s) to the aeration basin was free from leaks at the time of the inspection.
- 6.9 Observation: *Blowers/Motors* – The blower was operational at the time of the inspection.
- 6.10 Observation: *Blowers/Motors* – The secondary blower motor was operational.
- 6.11 Observation: *Blowers/Motors* – The blowers were equipped with belt guards.
- 6.12 Observation: *Clarifiers* – The clarifier weirs appear to be level.
- 6.13 Observation: *Clarifiers* – The skimmer appeared to be functioning properly.
- 6.14 Observation: *Clarifiers* – The clarifier had good settling and clear effluent.
- 6.15 Observation: *Filtration* – No problems or deficiencies noted.
- 6.16 Observation: *Disinfection* – The chlorine contact chamber was clean and the effluent leaving the plant was clear.

Additional Comments: The Facility switched from chlorine gas to liquid chlorine on July 14, 2014 due to concerns regarding chlorine gas leaks. The application for revision currently in house includes liquid chlorine rather than gas.

- 6.17 Observation: *Digestors* – No problems or deficiencies noted.

7. **Flow Measurement:** RATING – IN COMPLIANCE

- 7.1 Observation: The copy of the flow calibration report is current and satisfactory.

Additional Comments: Calibrated on March 11, 2014.

- 7.2 Observation: The chart recorder for the flow meter was operational at the time of the inspection.

8. **Operation and Maintenance:** RATING – IN COMPLIANCE

- 8.1 Observation: *General* – The facility was operated and maintained in accordance with the description in the Permit.

- 8.2 Observation: *General* – A certified operator as required by Rule 62-602 and the Permit, was operating the WWTF.

9. **Effluent Quality:** RATING – IN COMPLIANCE

- 9.1 Observation: The final effluent chlorine residual was within the acceptable range.

Additional Comments: Continuous Chlorine meter = 0.76 mg/L

- 9.2 Observation: A review of the Discharge Monitoring Reports revealed the following effluent exceedances.

Additional Comments: Two exceedances for TSS for reuse were reported in the month of June 2014. No other exceedances have been reported. The current effluent annual averages are as follows: TSS = 1.0 mg/L, CBOD = 1.20 mg/L, and fecal coliform = 0.5 cfu/100 mL.

10. **Effluent Disposal:** RATING – IN COMPLIANCE

- 10.1 Observation: *General* – The facility was discharging at the time of the inspection.

- 10.2 Observation: *General* – The effluent was free from visible sheen at the time of the inspection.

- 10.3 Observation: *General* – The effluent was free from excessive turbidity.

- 10.4 Observation: *General* – The effluent was free from excessive foam.

Facility Name: Key West Resort Utility  
Inspection Date: 9/29/2014

10.5 Observation: *Reuse* – All plastic reclaimed water piping, pipelines, valves, outlets, and other appurtenances were color-coded Pantone Purple.

11. **Biosolids/Sludge**: RATING – IN COMPLIANCE

11.1 Observation: *General* – Residuals were being disposed of in accordance with the permit.

12. **Groundwater Quality**: RATING – NOT APPLICABLE

12.1 Observation: No observations were recorded.

13. **SSO Survey**: RATING – NOT EVALUATED

13.1 Observation: No observations were recorded.

14. **Other**: RATING – NOT APPLICABLE

14.1 Observation: No observations were recorded.

PERMITS



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

*Sent Via Electronic Mail*

In the Matter of an  
Application for Permit by:

Key West Resort Utilities Corporation  
Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040  
[ChrisKW@bellsouth.net](mailto:ChrisKW@bellsouth.net)

**Monroe County - DW**  
File Number FLA014951-012-DW1P  
Key West Resort WWTP

**INTENT TO ISSUE**

The Department of Environmental Protection gives notice of its intent to issue a permit for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Key West Resort Utilities Corporation., applied on April 15, 2014, to the Department of Environmental Protection for a permit to:

**Operate** an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP) consisting of: dual treatment trains with design flows of 0.249 MGD and 0.250 MGD which are piped together to allow the facility to operate as a single unit. Collection system influent flows to a splitter box which divides the flow to the separate treatment trains. Each train consists of: a bar screen, an aeration basin, an anoxic tank, a re-aeration basin, a clarifier, a sand filter and dual chlorine contact chambers (CCC). There are three (3) aerobic digesters; one integrated into each of the treatment trains and a stand-alone digester. Disinfection is provided by chlorine gas.

**Construct** a new 0.350 MGD AADF treatment train to increase the existing capacity to 0.849 MGD, consisting of: a 90 foot diameter tank that will consist of influent screening, a 105,554 gallon influent equalization tank, a 163,000 gallon aeration chamber, a 154,725 gallon post-anoxic chamber, a 32,525 gallon re-aeration zone, 112,602 gallon clarifier, and a 317,950 gallon digester. Effluent from the new plant will pass through proposed expanded sand filters and the existing chlorine contact chambers shared by the existing treatment trains. The plan also includes the addition of a dual influent screen on the existing plant as well as disposal to two new injection wells. Disinfection is to be provided by liquid chlorine. The existing treatment facility will continue with normal operation during construction.

The existing WWTP and the proposed 0.350 MGD treatment train has and will be modified to meet the advanced wastewater treatment (AWT) standards of §403.086(10), F.S. The extended aeration process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

The facility is located at latitude 24°34'2.4058" N, longitude 81°44'7.186" W on 6630 Front St., Stock Island, Key West, Florida 33045 in Monroe County.

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code. The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Based upon the application and supplemental information, the Department has determined that the applicant has provided reasonable assurance that the above described wastewater project complies with the applicable provisions of Chapter 403 of the Florida Statutes and Title 62 of the Florida Administrative Code.

Under Section 403.815, Florida Statutes, and Rule 62-110.106, Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice must be published one time only within 30 days of receipt of this intent to issue in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, Florida Statutes, in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department's South District Office, 2295 Victoria Ave, Suite 364, Ft. Myers, Florida 33901-3875, within two weeks of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit under Rule 62-110.106(11), Florida Administrative Code.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

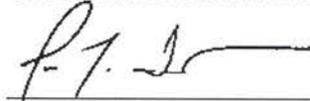
- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



\_\_\_\_\_  
Jon M. Iglehart  
Director of District Management

DATE: June 23, 2014

JMI/BJS/se

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this INTENT TO ISSUE and all copies were mailed or emailed before the close of business on June 23, 2014, to the listed persons.

  
\_\_\_\_\_  
Name

June 23, 2014  
Date

Copies furnished to:

Ed Castle, P.E., [edrcastle@me.com](mailto:edrcastle@me.com)  
Deanna Newburg, FDEP  
Barbara Skates, FDEP  
Gus Rios, FDEP  
Devon Villareal, FDEP

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Protection gives notice of its intent to issue a permit to Key West Resort Utilities Corporation., Christopher Johnson, President, 6630 Front Street, Key West, Florida 33040 to:

**Operate** an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP). Disinfection is provided by chlorine gas.

**Construct** a new 0.350 MGD AADF treatment train to increase the existing capacity to 0.849 MGD. The plan also includes the addition of a dual influent screen on the existing plant as well as disposal to two new injection wells. Disinfection is to be provided by liquid chlorine. The existing treatment facility will continue with normal operation during construction.

The existing WWTP and the proposed 0.350 MGD treatment train has and will be modified to meet the 5-5-3-1 advanced wastewater treatment (AWT) standards requirement of Section 403.086(10), F.S. The extended aeration process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

The facility is located at latitude 24°34'2.4058" N, longitude 81°44'7.186" W on 6630 Front St., Stock Island, Key West, Florida 33045 in Monroe County.

The intent to issue and application file are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's South District Office, 2295 Victoria Ave, Suite 364, Ft. Myers, Florida 33901-3875, at phone number (239)344-5600.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

**STATE OF FLORIDA  
DOMESTIC WASTEWATER FACILITY PERMIT**

*Sent Via Electronic Mail*

**PERMITTEE:**

Key West Resort Utilities Corporation

**RESPONSIBLE OFFICIAL:**

Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040  
(305) 289-4161  
[ChrisKW@bellsouth.net](mailto:ChrisKW@bellsouth.net)

**PERMIT NUMBER:** FLA014951

**FILE NUMBER:** INTENT

**DATE OF MODIFICATION:** Intent

**EXPIRATION DATE:** February 19, 2017

**FACILITY:**

Key West Resort WWTP  
6630 Front St., Stock Island  
Key West, FL 33045  
Monroe County  
Latitude: 24°34' 2.4058" N      Longitude: 81°44' .7186" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

**Operate** an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP) consisting of: dual treatment trains with design flows of 0.249 MGD and 0.250 MGD which are piped together to allow the facility to operate as a single unit. Collection system influent flows to a splitter box which divides the flow to the separate treatment trains. Each train consists of: a bar screen, an aeration basin, an anoxic tank, a re-aeration basin, a clarifier, a sand filter and dual chlorine contact chambers (CCC). There are three (3) aerobic digesters; one integrated into each of the treatment trains and a stand-alone digester. Disinfection is provided by chlorine gas.

**Construct** a new 0.350 MGD AADF treatment train to increase the existing capacity to 0.849 MGD, consisting of: a 90 foot diameter tank that will consist of influent screening, a 105,554 gallon influent equalization tank, a 163,000 gallon aeration chamber, a 154,725 gallon post-anoxic chamber, a 32,525 gallon re-aeration zone, 112,602 gallon clarifier, and a 317,950 gallon digester. Effluent from the new plant will pass through proposed expanded sand filters and the existing chlorine contact chambers shared by the existing treatment trains. The plan also includes the addition of a dual influent screen on the existing plant as well as disposal to two new injection wells. Disinfection is to be provided by liquid chlorine. The existing treatment facility will continue with normal operation during construction.

The existing WWTP and the proposed 0.350 MGD treatment train has and will be modified to meet the advanced wastewater treatment (AWT) standards of Florida Law 403.086 (10) [§403.086(10), F.S.]. The extended aeration

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

**The final total volumes at 0.849 MGD capacity will be:**

Flow Equalization = 254,550 gallons  
Aeration Basins = 395,800 gallons  
Anoxic Basins = 374,545 gallons  
Re-Aeration Basins = 80,205 gallons  
Clarifiers = 218,624 gallons  
Digesters = 446,157 gallons  
Four Filters = 384 cubic feet  
Four Chlorine Contact Chambers = 22,980 gallons

**REUSE OR DISPOSAL:**

**Underground Injection U-001:** An existing 0.499 MGD AADF permitted capacity underground injection well system consisting of 2 Class V underground injection wells permitted under Department permit number(s) 184940-020 and 021 discharging to Class G-III ground water. Underground Injection Well System U-001 is located approximately at latitude 24°33' 55" N, longitude 81°44' 51" W.

**Underground Injection U-002:** Construct and operate a new 0.0.499 MGD AADF permitted capacity, underground injection well system consisting of: 2 Class V wells with a 10" diameter, at a depth of at least 110 feet, with PVC casing to a depth of at least 60 feet, made of Neat® cement, 60 foot depth, and a thickness of at least 2 inches, discharging to Class G-III ground water.

**Underground Injection U-003:** The summation of U-001 and U-002, an existing 0.998 MGD AADF permitted capacity underground injection well system consisting of 4 Class V underground injection wells, the summation of U-001 and U-002. Injection is into the Key Largo and Miami Oolite Formations for the primary means of disposal of non-hazardous secondary treated domestic wastewater treatment facility effluent to the existing injection wells for a maximum daily disposal of 1.27 MGD. The maximum injection rate shall not exceed a peak hourly flow rate of 882 gallons per minute.

**Land Application R-001:** An existing 0.499 MGD AADF permitted capacity slow-rate public access system. R-001 is a reuse system which consists of golf course irrigation at the Key West Golf Course. Toilet flushing, AC makeup water, and fire protection are provided at the Monroe County Detention Center. The Key West golf course irrigation system consists of two (2) interconnected lakes that do not discharge to surface waters.

**Land Application R-002:** A new 0.849 MGD AADF permitted capacity slow-rate public access system. R-002 is a reuse system which consists of golf course irrigation at the Key West Golf Course, and the ball field irrigation at the Florida Keys Community College. Toilet flushing, AC makeup water, and fire protection are provided at the Monroe County Detention Center, the Florida Keys Community College, and the Lower Keys Medical Center.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part X on pages 1 through 33 of this permit.

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

**I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

**A. Underground Injection Control Systems**

1. **During the period beginning on the effective date and lasting through December 31, 2015**, the permittee is authorized to discharge effluent to Underground Injection Well System U-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	0.499 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-002	See I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Annual Average Monthly Geometric Mean Single Sample	Every 2 weeks	Grab	EFA-001	See I.A.4
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-001	See I.A.5
Nitrogen, Total	mg/L	Max	Report	Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Every 2 weeks	8-hr FPC	EFA-001	

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-002	Flow measurement for effluent discharge into the injection wells.
EFA-001	After chlorination and prior to the disposal system.

3. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
4. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. [62-600.440(4)(c)]
5. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b) and (5)(b)]
6. Beginning on July 1, 2016, the facility shall either cease all discharge to the injection wells or meet revised annual average effluent limits for certain parameters as shown below. The limits for all other parameters listed in I. A.1 will remain the same.
- a. Carbonaceous biochemical oxygen demand (CBOD5) of 5.0 mg/L;
  - b. Total suspended solids (TSS) of 5.0 mg/L;
  - c. Total nitrogen (as N) of 3.0 mg/L;
  - d. Total phosphorus (as P) of 1.0 mg/L. [§403.086(10), F.S.]

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7. **Beginning on January 01, 2016 and lasting through the expiration date of this permit**, the permittee is authorized to discharge effluent to Underground Injection Well System U-002. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	0.499 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-002	See I.A.9
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Annual Average Monthly Geometric Mean Single Sample	Every 2 weeks	Grab	EFA-001	See I.A.10
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-001	See I.A.11
Nitrogen, Total	mg/L	Max Max Max Max	3.0 3.75 4.5 6.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Phosphorus, Total (as P)	mg/L	Max Max Max Max	1.0 1.25 1.5 2.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	

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8. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.7. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-002	Flow measurement for effluent discharge into the injection wells.
EFA-001	After chlorination and prior to the disposal system.

9. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
10. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. [62-600.440(4)(c)]
11. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b) and (5)(b)]
12. The permittee shall monitor to ensure proper process control in accordance with the operator sampling and testing schedule included in the facility's Operation and Maintenance Manual. This monitoring may be performed using methods other than those in Chapter 62-160, F.A.C., as long as this data is for process control purposes and is not reported on the Discharge Monitoring Report. [62-620.320(6)]

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13. **After January 01, 2016, and lasting through the expiration date of this permit**, the permittee is authorized to discharge effluent to Underground Injection Well System U-003. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	0.998 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-002	See I.A.15
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	8-hr FPC	EFA-001	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Annual Average Monthly Geometric Mean Single Sample	Weekly	Grab	EFA-001	See I.A.16
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-001	See I.A.17
Nitrogen, Total	mg/L	Max Max Max Max	3.0 3.75 4.5 6.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	8-hr FPC	EFA-001	
Phosphorus, Total (as P)	mg/L	Max Max Max Max	1.0 1.25 1.5 2.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	8-hr FPC	EFA-001	

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14. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.13. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-002	Flow measurement for effluent discharge into the injection wells.
EFA-001	After chlorination and prior to the disposal system.

15. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
16. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. [62-600.440(4)(c)]
17. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b) and (5)(b)]
18. The permittee shall monitor to ensure proper process control in accordance with the operator sampling and testing schedule included in the facility's Operation and Maintenance Manual. This monitoring may be performed using methods other than those in Chapter 62-160, F.A.C., as long as this data is for process control purposes and is not reported on the Discharge Monitoring Report. [62-620.320(6)]

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**B. Reuse and Land Application Systems**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	1.0	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-003	See I.B.3
Flow	MGD	Max	0.06	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-004	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Daily; 24 hours	Grab	EFB-001	
Coliform, Fecal	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFA-001	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Daily; 24 hours	Calculated	EFA-001	See I.B.4
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-001	See I.B.5 and I.B.8
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFB-001	See I.B.6 and I.B.8
Giardia	cysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-001	See I.B.9
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-001	See I.B.9

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2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-003	Flow measurement of reclaimed water sent to the Key West Golf Course
FLW-004	Flow measurement of reclaimed water sent to the Monroe County Detention Center
EFA-001	After chlorination and prior to the disposal system.
EFB-001	Turbidity samples are taken immediately after filtration from a common feed line to the turbidity analyzer.

3. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
4. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
5. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]
6. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. [62-610.463(2)]
7. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: U-001. [62-610.320(6) and 62-610.463(2)]
8. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]
9. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. [62-610.463(4)]

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10. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.7.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	1.0	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-003	See I.B.12
Flow	MGD	Max	0.060	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-004	
Flow	MGD	Max	0.040	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-005	
Flow	MGD	Max	0.010	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-006	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Daily; 24 hours	Grab	EFA-001	
Coliform, Fecal	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFA-001	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Daily; 24 hours	Calculated	EFA-001	See I.B.13
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-001	See I.B.14 and I.B.17
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFA-001	See I.B.15 and I.B.17
Giardia	cysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-001	See I.B.18
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-001	See I.B.18

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11. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.10. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-003	Flow measurement of reclaimed water sent to the Key West Golf Course
FLW-004	Flow measurement of reclaimed water sent to the Monroe County Detention Center
FLW-005	Flow measurement of reclaimed water to the Lower Keys Medical Center
FLW-006	Flow measurement of reclaimed water to the Florida Keys Community College
EFA-001	After chlorination and prior to the disposal system.
EFB-001	Turbidity samples are taken immediately after filtration from a common feed line to the turbidity analyzer.

12. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
13. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
14. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]
15. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. [62-610.463(2)]
16. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed [62-610.320(6) and 62-610.463(2)]
17. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]
18. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. [62-610.463(4)]

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**C. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.7.:

Parameter	Units	Max/Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Weekly	8-hr FPC	INF-001	See I.C.3, I.C.14, and I.C.15
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	Weekly	8-hr FPC	INF-001	See I.C.3, I.C.14, and I.C.15
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	3-Month Rolling Average	Monthly	Calculated	CAL-001	
Flow Prior to Completion of Construction	MGD	Max Max Max	0.499 Report Report	Annual Average Monthly Average Quarterly Average	5 Days/Week	Calculated	FLW-001	
Flow After Completion of Construction	MGD	Max Max Max	0.849 Report Report	Annual Average Monthly Average Quarterly Average	5 Days/Week	Calculated	FLW-001	

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2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
INF-001	Influent taken at either bar screen.
CAL-001	Calculation using Monthly FLW-001 = (TMADF divided by permitted capacity) x 100
FLW-001	FLW-002 + FLW-003 + FLW-004 + FLW-005 + FLW-006 will be added together and then recorded as FLW-001

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's South District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]
5. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
- The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
  - The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
  - If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical

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method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

6. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
7. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Mail or Electronically Submit by
Monthly	First day of month - last day of month	28 <sup>th</sup> day of following month
Quarterly	January 1 - March 31 April 1 - June 30 July 1 - September 30 October 1 - December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 - June 30 July 1 - December 31	July 28 January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department's South District Office at the address specified in Permit Condition I.C.12. by the twenty-eighth (28th) of the month following the month of operation.

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

[62-620.610(18)][62-601.300(1), (2), and (3)]

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-

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620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. [62-601.300(4)][62-601.500(3)][62-610.300(4)]

9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. [62-610.870(3)]
10. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's South District Office for review and approval upon revision of the operating protocol(s) and with each permit application. [62-610.320(6)][62-610.463(2)]
11. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's South District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. [62-610.464(5)]
12. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's South District Office at the address specified below:

South District Branch Office  
Florida Department of Environmental Protection  
2796 Overseas Highway, Suite 221  
Marathon, Florida 33050

Phone Number - (305) 289-2310  
FAX Number - (850) 412-0590  
(All FAX copies and e-mails shall be followed by original copies.)

[62-620.305]

13. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]
14. Influent flow proportioned composite samples for CBOD<sub>5</sub>, total suspended solids, total nitrogen and total phosphorous shall be taken on the same day and composite periods shall be at the same time of day that the corresponding effluent samples are taken. [62-601.300(6)]
15. Influent flow proportioned composite samples for CBOD<sub>5</sub>, total suspended solids, total nitrogen, total phosphorous, total ammonia nitrogen, total kjedahl nitrogen, and total organic nitrogen shall be taken on the same day, and composite periods shall be at the same time of day that the effluent samples are taken. [62-601.300(6)]

## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

1. Biosolids generated by this facility may be transferred to a biosolids treatment facility or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]

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2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.C.7.

Parameter	Units	Max /Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-01
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-01

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-01	Calculated Monthly Total of Biosolids transferred, or landfilled. (Per truck weight, flow measurements, calculated from total solids, etc.)

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]
8. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]
9. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
10. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

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1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)

Biosolids Treatment Facility or Treatment Facility

1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility

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4. Name and ID Number of treatment facility
5. Signature of responsible party at source facility
6. Signature of hauler and name of hauling firm

Biosolids Treatment Facility or Treatment Facility

4. Signature of hauler
5. Signature of responsible party at treatment facility

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

11. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

**III. GROUND WATER REQUIREMENTS**

1. Section III is not applicable to this facility.

**IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS**

**A. Part III Public Access System(s)**

1. This reuse system includes the following users of reclaimed water and general service areas:

Site Number	User Name	User Type	Capacity(MGD)	Acreage
PAA-002	Monroe County Detention Center	Fire Protection, toilet flushing, & AC cooling	0.060	3
PAA-003	Lower Keys Medical Center	Fire Protection, toilet flushing, & AC cooling	0.01	0.04
PAA-001	Key West Golf Club	Golf Courses	1.0	100.27
PAA-004	Florida Keys Community College	Ball field irrigation, Fire protection, toilet flushing, & AC cooling	0.04	0.01
Total			1.11	128.29

[62-610.800(5)][62-620.630(10)(b)]

2. Cross-connections to the potable water system are prohibited. [62-610.469(7)]
3. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. [62-610.469(7)]
4. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. [62-610.469(7)(h)]

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5. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
  - a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
  - b. If the potable water system is contaminated, clear the potable water lines.
  - c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.
  - d. Test the affected area for other possible cross-connections.
  - e. Within 24 hours, notify the Department's South District Office's domestic wastewater and drinking water programs.
  - f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's South District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

*[62-555.350(3) and 62-555.360][62-620.610(20)]*

6. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*
7. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*
8. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
9. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
10. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*

11. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. [62-610.471(8)]
12. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. [62-610.468(2)]
13. All advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. [62-610.468 & .469]
14. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. [62-610.468, 62-610.469]
15. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. [62-610.468(6)]
16. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]
17. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. [62-610.800(9)]

## V. OPERATION AND MAINTENANCE REQUIREMENTS

### A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of an operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C, when operating as an extended aeration process facility and, at a minimum, operators with appropriate certification must be on the site as follows:

**Per Final Order Granting Petition for temporary Variance from Rule 62-610.462(3) submitted September 19, 2012:** A Class C or higher operator 6 hours per day for 5 days per week and one weekend visit (increased to one visit on each weekend day when operated as a Category 1 nutrient removal process), provided there is no discharge to reuse facilities during the weekends. . The

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lead/chief operator must be a Class C operator, or higher. This staffing requirement is valid until February 19, 2017 or the completion of construction and the permitted capacity becomes 0.849 MGD AADF.

**Upon Completion of Construction and the facility is operating as a Category 1 Class B:** A Class C or higher operator 8 hours per day for 7 days per week with the 8 hours per day of staffing occurring the 8 hour period of greatest influent flow. The chief/lead operator must be a Class B operator or higher. [62-699.311(5)(a)]

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]
3. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(1)]

#### **B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements**

1. An updated capacity analysis report shall be submitted to the Department annually by February 19 of each year. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

#### **C. Recordkeeping Requirements**

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
  - e. A copy of the current permit;
  - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
  - g. A copy of any required record drawings;

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- h. Copies of the licenses of the current certified operators;
- i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650, 62-640.650(4)]

## VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

Improvement Action	Completion Date
1. Construct and operate a new 0.350 treatment train to increase capacity to 0.849 MGD	02/20/2017
2. Construct and submit certified completion of construction to the South District DEP office for approval of the two new underground injection wells.	02/20/2017
3. Obtain operational level at the new WWTP and submit certified completion of construction to the South District DEP office.	02/20/2017
4. Change disinfection from chlorine gas to liquid bleach	02/20/2017

[62-620.320(6)]

2. **Prior to placing the new facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Wastewater Facilities or Activities. [62-620.410(7)]**
3. **Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.410(6) and 62-620.630(7)]**
4. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
  - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or

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- b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

*[62-620.335(1) - (4)]*

## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility is not required to have a pretreatment program at this time. *[62-625.500]*

## VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. *[62-600.410(8) and 62-640.400(6)]*
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*
4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
  - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

*[62-604.130(5)]*

5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b)]*

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6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*
7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*
8. The permittee shall provide verbal notice to the Department's South District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's South District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
9. The permittee shall provide adequate notice to the Department of the following:
  - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and
  - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

*[62-620.625(2)]*

## IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and

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the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]

5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
  - b. Have access to and copy any records that shall be kept under the conditions of this permit;
  - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
  - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising,

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- revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
  13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
  14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
  15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
  16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
  17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
    - a. A description of the anticipated noncompliance;
    - b. The period of the anticipated noncompliance, including dates and times; and
    - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17)]
  18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
    - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

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- b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
- d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

*[62-620.610(18)]*

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*
20. The permittee shall report to the Department's South District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
  - a. The following shall be included as information which must be reported within 24 hours under this condition:
    - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
    - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
    - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
    - (4) Any unauthorized discharge to surface or ground waters.
  - b. Oral reports as required by this subsection shall be provided as follows:
    - (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
      - (a) Name, address, and telephone number of person reporting;

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- (b) Name, address, and telephone number of permittee or responsible person for the discharge;
  - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
  - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
  - (e) Estimated amount of the discharge;
  - (f) Location or address of the discharge;
  - (g) Source and cause of the discharge;
  - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
  - (i) Description of area affected by the discharge, including name of water body affected, if any; and
  - (j) Other persons or agencies contacted.
- (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's South District Office within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's South District Office shall waive the written report.

*[62-620.610(20)]*

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. *[62-620.610(21)]*
22. Bypass Provisions.
- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
  - b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
    - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
    - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
    - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
  - c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
  - d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.

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- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
  - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
  - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
  - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
  - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

**X. INJECTION WELLS:**

**1. GENERAL CRITERIA**

- a. The permittee shall be aware of and operate under the General Conditions of Florida Administrative Code, (F.A.C.), Rule 62-528.307(1), (a) through (x), and 62-528.307(3)(a) through (e). These General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.
- b. Any permit noncompliance constitutes a violation of the Safe Drinking Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

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- d. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.
- e. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.
- f. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation or reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. When requested by the Department, the permittee shall furnish, within the time specified, any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- h. Signatories and Certification Requirements
  1. All reports and other submittals required to comply with this permit shall be signed by a person authorized under Rules 62-528.340(1) or (2), F.A.C.
  2. In accordance with Rule 62-528.340(4), F.A.C., all reports shall contain the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”
- i. The permittee shall notify the Department and obtain approval prior to any work within the well, physical alterations or additions to the injection or monitor well, including removal of the wellhead.(includes well clean out or other well rehabilitation type work)
- j. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or injection activity that may result in noncompliance with permit requirements.
  1. The permittee shall report any noncompliance that may endanger health or the environment, to include:
  2. Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water; or to adjacent surface waters, or
  3. Any noncompliance with a permit condition or malfunction of the injection system that may cause fluid migration into or between underground sources of drinking water or adjacent surface waters.
- k. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance, including exact dates and times, and if the

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noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

- l. No underground injection is allowed that causes or allows movement of fluid into an underground source of drinking water.
- m. The permittee shall retain all records of all monitoring information concerning the nature and composition of injected fluid until five years after completion of any plugging and abandonment procedures specified under Rule 62-528.435, F.A.C. The permittee shall deliver the records to the Department office that issued the permit at the conclusion of the retention period unless the permittee elects to continue retention of the records.

## 2. OPERATING REQUIREMENTS

- a. Injection of any fluids or materials, other than those permitted, into the disposal wells(s) will constitute a violation of this permit and shall constitute cause for permit revocation and possible enforcement action for water quality violations.
- b. Injection into the well shall not exceed a peak hourly flow rate of 882 gallons per minute (1.27 MGD Peak Day Flow). Flow to the wellhead shall be measured with a properly calibrated flow meter(s) or such other devices as provided for in this facility's wastewater treatment permit.
- c. In the event the permittee is temporarily unable to comply with any of the conditions of a permit due to breakdown of equipment, power outages, destruction by hazard of fire, wind, or by other cause, the permittee of the facility shall notify the Department.
- d. Notification shall be made in person, by telephone, or by electronic mail within 24 hours of breakdown or malfunction to the South District office.
- e. A written report of any noncompliance referenced in Specific Condition 2.c above shall be submitted to the South District and Tallahassee offices within five days after its occurrence. The report shall describe the nature and cause of the breakdown or malfunction, the steps being taken or planned to be taken to correct the problem and prevent its reoccurrence, emergency procedures in use pending correction of the problem, and the time when the facility will again be operating in accordance with permit conditions.
- f. The permittee shall calibrate all pressure gauges, flow meters, chart recorders, and other related equipment associated with the injection well system on the same basis as is required by the facility wastewater permit. The permittee shall maintain all monitoring equipment and shall ensure that the monitoring equipment is calibrated and in proper operating condition at all times. Laboratory equipment, methods, and quality control will follow EPA guidelines as expressed in Standard Methods for the Examination of Water and Wastewater. The pressure gauges, flow meters, and chart recorders, as applicable to this facility, shall be calibrated using standard engineering methods. Calibration records shall be kept by the permittee at the permitted facility and be available for inspection by Department personnel upon request.
- g. In the event a well must be plugged or abandoned, the permittee shall obtain a permit from the Department as required by Chapter 62-528, Florida Administrative Code. Within 180 days of well abandonment, the permittee shall submit to the Department and the TAC the proposed plugging method, pursuant to Rule 62-528.460, F.A.C. When no longer used for their intended purpose, these wells shall be properly plugged and abandoned.

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3. TESTING AND REPORTING REQUIREMENTS

- a. The injection system shall be monitored in accordance with Rule 62-528.615(2), F.A.C. The following injection well performance data shall be recorded and reported in a Monthly Operating Report as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

**INJECTION WELLS**

The specifications for the injection wells are as follows:

<i>Casing Diameter and Type</i>	<i>Depth Cased (ft bls)</i>	<i>Open Hole Interval (feet bls)</i>
10" Sch 40 PVC	60' depth	From 60 to 90»

The injection wells shall be monitored in accordance with the parameters and frequencies listed below. The flow rate shall be recorded continuously or as required by the facility wastewater permit in accordance with Rule 62-528.615(2), F.A.C. All samples shall be collected and analyzed in accordance with the quality assurance requirements of Chapter 62-160, F.A.C. The report shall include the following data:

<i>Parameters</i>	<i>Reporting Frequency</i>
Daily Flow Rate (gpm)	Daily/Monthly
Maximum Peak Hourly Flow Rate (For non-continuous recorders please substitute Average Hourly Flow for the Peak Hourly Flow Rate. Average Hourly Flow = Daily Flow Rate ÷ 24)	Daily/Monthly
Minimum Total Residual Chlorine (mg/L)	Daily/Monthly
Total Volume WWTP Effluent Injected (gallons)	Daily/Monthly

**WWTP Effluent Water Quality**

<i>Parameters</i>	<i>Reporting Frequency</i>
pH (std. Units)	Monthly
Total Nitrogen (TN) (mg/L)	Monthly
Total Phosphorus (mg/L)	Monthly
CBOD <sub>5</sub> (mg/L)	Monthly
Solids, Total Suspended (mg/L)	Monthly
Fecal Coliform	Monthly

- b. In accordance with Rule 62-528.615(2), F.A.C. the permittee shall submit to the Department the results of all monitoring data collected no later than the last day of the month immediately following the end of the month of record. The results shall be sent to the Department of Environmental Protection, South District Office, P.O. Box 2549, Fort Myers, Florida 33902-2549. The results shall be submitted in the same manner and on the same forms as required by the facility wastewater permit

4. UIC PROGRAM DISPOSAL WELL PERMIT RENEWAL

- a. In accordance with Rules 62-4.090(1) and 62-528.455(3)(a), F.A.C., the permittee shall submit an application for renewal of the existing injection well system operating permit (a minimum of 5 copies)

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with the applicable fee at least 60 days prior to the expiration of this operation permit. The application for renewal shall include the items listed in Rule 62-528.455(3)(b), F.A.C.

5. **EMERGENCY DISPOSAL**

- a. All applicable federal, state and local permits must be in place to allow for any alternate discharges due to emergency or planned outage conditions.
  - b. Any changes in emergency disposal methods must be submitted for Technical Advisory Committee (TAC) review and Department approval.
  - c. The permittee shall notify the local office of the Department within 24 hours in the event the emergency discharge has been used. The notification should include the reason for using the emergency discharge, the duration of the discharge, and the volume discharged. Written notification shall be provided within 5 days after its occurrence.
6. The permittee is reminded of the necessity to comply with the pertinent regulations of any other regulatory agency, as well as any county, municipal, and federal regulations applicable to the project. These regulations may include, but are not limited to, those of the Federal Emergency Management Agency in implementing flood control measures. This permit should not be construed to imply compliance with the rules and regulations of other regulatory agencies.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

**INTENT**

Jon M. Iglehart  
Director of  
District Management

DATE:

JMI/BJS/



## **PATHOGEN MONITORING**

### **Part I - Instructions**

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility.
  - a. Routine Sampling:

Sampling is required once every five years, this report shall be submitted with the application for permit renewal.
  - b. Subsequent Re-Sampling:

If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.
2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:
  1. a. South District Branch Office  
Florida Department of Environmental Protection  
2796 Overseas Highway, Suite 221  
Marathon, Florida 33050  
Phone Number - (305) 289-2310
  - b. DEP Water Reuse Coordinator  
Mail Station 3540  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400
3. Please type or print legibly.
4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.
5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).
6. For each sample, record the sample volume obtained in liters.

7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.
8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

- a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.
  - b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.
9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.
  10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at [www.dep.state.fl.us/labs/cgi-bin/aams/index.asp](http://www.dep.state.fl.us/labs/cgi-bin/aams/index.asp)
  11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).
  12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.
  13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.
  14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen

samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

DRAFT

**Part II - General Information**

1. DEP wastewater facility identification number: **FLA014951**

Wastewater facility name: Key West Resort Utility

Permittee name: Key West Resort Utility, Corp.

2. Person completing this form:

Name: \_\_\_\_\_

Telephone: (\_\_\_\_\_) \_\_\_\_\_

Email address: \_\_\_\_\_

3. Sampling and analysis:

Date samples were taken: \_\_\_\_\_

Organization collecting the samples: \_\_\_\_\_

Was the sample dechlorinated in the field?  Yes  No

Was the sample refrigerated or kept on ice during shipment to the laboratory?  Yes  No

Date samples delivered to laboratory: \_\_\_\_\_

Date analytical work was done: \_\_\_\_\_

Laboratory doing the analysis: \_\_\_\_\_

Laboratory's DOH Identification Number: \_\_\_\_\_

Approved method used:

EPA Method 1623

Other approved method: \_\_\_\_\_

Contact person at the laboratory: \_\_\_\_\_

Email address of the lab contact person: \_\_\_\_\_

4. Is this the first time that this form has been submitted for the facility?

Yes [Please complete Questions 7 through 16.]

No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

No [Proceed to Question 6.]

Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

Yes [Please complete Questions 7 through 16.]

No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

Conventional activated sludge

Extended aeration

Contact stabilization

Biological nutrient removal (such as Bardenpho)

Other: \_\_\_\_\_

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)?  Yes  No

9. Filter type:

Deep bed, single media

Deep bed, multiple media

Shallow bed, automatic backwash

Upflow (including Dynasand)

Slow rate sand filter

Diatomaceous earth filter

Fabric filter

Cartridge filter

Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)

Other: \_\_\_\_\_

10. Filter Media (complete for each type of media provided):

Top layer of media: Media type: \_\_\_\_\_

Effective size: \_\_\_\_\_ mm

Uniformity coefficient: \_\_\_\_\_

Bed depth: \_\_\_\_\_ inches

Middle layer of media: Media type: \_\_\_\_\_  
Effective size: \_\_\_\_\_ mm  
Uniformity coefficient: \_\_\_\_\_  
Bed depth: \_\_\_\_\_ inches

Bottom layer of media: Media type: \_\_\_\_\_  
Effective size: \_\_\_\_\_ mm  
Uniformity coefficient: \_\_\_\_\_  
Bed depth: \_\_\_\_\_ inches

11. Filter backwash water:

- Backwash water is returned to the headworks of the treatment plant.
- Backwash water is returned to the aeration basin.
- Other. Please describe: \_\_\_\_\_

12. Disinfection system:

- Chlorination, gas
- Chlorine dioxide
- Ultraviolet
- Other: \_\_\_\_\_
- Hypochlorite
- Chlorination, other \_\_\_\_\_
- Ozone

13. Is chlorine added before the filters?  No  Yes Dose: \_\_\_\_\_ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

- No
- Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

Chemical 2 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

Chemical 3 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

15. Wastewater treatment plant permitted capacity: \_\_\_\_\_ MGD

16. Wastewater flow being treated at the time samples were collected: \_\_\_\_\_ MGD

### PART III - PATHOGEN MONITORING REPORT

**FACILITY ID:** FLA014951  
**FACILITY NAME:** Key West Resort Utility  
**FACILITY ADDRESS:** 6630 Front St., Stock Island, Key West, FL 33045  
**PERMITTEE NAME:** Key West Resort Utility, Corp.  
**MAILING ADDRESS:** 6630 Front Street, Key West, Florida 33040  
**DATE OF SAMPLING:** \_\_\_\_\_

Parameter	Quantity or Loading		Quality or Concentration	
	Sample Measurement	Units	Sample Measurement	Units
Treatment Plant: After Filter Monitoring Site No.				
Turbidity PARM Code 00070				NTU
TSS PARM Code 00530				mg/L
Treatment Plant: After Disinfection Monitoring Site No.				
Total Chlorine Residual PARM Code 50060				mg/L
Volume Collected PARM Code 71994		Liters		
<i>Giardia</i> , total count * PARM Code GIARD				total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR				potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT				total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP				potentially viable oocysts/100 L
Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection Monitoring Site No.				
TSS PARM Code 00530				mg/L
Total Chlorine Residual PARM Code 50060				mg/L
Volume Collected PARM Code 71994		Liters		
<i>Giardia</i> (total count) * PARM Code GIARD				total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR				potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT				total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP				potentially viable oocysts/100 L

\* Data entries must be made for both total and potentially viable cysts and oocysts.

### PART IV - CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Name/Title of Principle Executive Officer or Authorized Agent (Type or Print)	Signature of Principle Executive Officer or Authorized Agent	Telephone No.	Date (YY/MM/DD)
Email Address			

**STATEMENT OF BASIS  
FOR  
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA014951  
 PA FILE NUMBER: FLA014951-012-DW1P/NR  
 FACILITY NAME: Key West Resort WWTP  
 FACILITY LOCATION: 6630 Front St., Stock Island, Key West, FL 33045  
 Monroe County  
 NAME OF PERMITTEE: Key West Resort Utilities Corporation  
 PERMIT WRITER: Barbara J. Skates

1. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to discharge reclaimed water to Underground Injection Well System U-001 which consists of 2 Class V injection wells discharging to Class G-III ground water based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.499	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	403.085(2) & .086(1)(b) FS & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	403.085(2) & .086(1)(b) FS & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC
		Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	62-600.440(4)(b) FAC
Nitrogen, Total	mg/L	Max	Report	Single Sample	Chapter 99-395, Laws of Florida, Section 6
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Chapter 99-395, Laws of Florida, Section 6

This facility is authorized to discharge reclaimed water to Underground Injection Well System U-002 which consists of 2 Class V injection wells discharging to Class G-III ground water based on the following:

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER:  
 PA FILE NUMBER: INTENT  
 INTENT

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.499	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC
		Max	6.25	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	7.5	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	10.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC
		Max	6.25	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	7.5	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	10.0	Single Sample	62-600.740(1)(b)1.d. FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC
		Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	62-600.440(4)(b) FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC
		Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
		Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
		Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	1.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC
		Max	1.25	Monthly Average	62-600.740(1)(b)2.b. FAC
		Max	1.5	Weekly Average	62-600.740(1)(b)2.c. FAC
		Max	2.0	Single Sample	62-600.740(1)(b)2.d. FAC

This facility is authorized to discharge reclaimed water to Underground Injection Well System U-003 which consists of 4 Class V injection wells discharging to Class G-III ground water based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.998	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC
		Max	6.25	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	7.5	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	10.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC
		Max	6.25	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	7.5	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	10.0	Single Sample	62-600.740(1)(b)1.d. FAC

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER:  
 PA FILE NUMBER: INTENT  
 INTENT

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Coliform, Fecal	#/100mL	Max	200	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC
		Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	62-600.440(4)(b) FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC
		Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
		Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
		Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	1.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC
		Max	1.25	Monthly Average	62-600.740(1)(b)2.b. FAC
		Max	1.5	Weekly Average	62-600.740(1)(b)2.c. FAC
		Max	2.0	Single Sample	62-600.740(1)(b)2.d. FAC

This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	1.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	0.06	Annual Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	62-600.440(5)(f)1. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

This facility is authorized to direct reclaimed water to Reuse System R-002, a slow-rate public access system, based on the following:

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	1.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	0.060	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	0.040	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	0.010	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	62-600.440(5)(f)1. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	3-Month Rolling Average	
Flow	MGD	Max	0.499	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	
		Max	Report	Quarterly Average	
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

2. BIOSOLIDS MANAGEMENT REQUIREMENTS

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

Biosolids generated by this facility may be transferred to to be determined or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to : Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER:

FLA014951-012-DW1P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse, with Influent

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow	Sample Measurement								
PARM Code 50050 Y Mon. Site No. FLW-003	Permit Requirement	1.0 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow	Sample Measurement								
PARM Code 50050 1 Mon. Site No. FLW-004	Permit Requirement	0.06 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			20.0 (An.Avg.)	mg/L		Weekly	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Weekly	8-hr FPC
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement					5.0 (Max.)	mg/L	Daily; 24 hours	Grab
Coliform, Fecal	Sample Measurement								
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement					25 (Max.)	#/100mL	Daily; 24 hours	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than detection PARM Code 51005 A Mon. Site No. EFA-001	Sample Measurement									
	Permit Requirement				75 (Min.Mo.Total)		percent		Daily; 24 hours	Calculated
pH PARM Code 00400 A Mon. Site No. EFA-001	Sample Measurement									
	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-001	Sample Measurement									
	Permit Requirement				1.0 (Min.)		mg/L		Continuous	Meter
Turbidity PARM Code 00070 B Mon. Site No. EFB-001	Sample Measurement									
	Permit Requirement					Report (Max.)	NTU		Continuous	Meter
BOD, Carbonaceous 5 day, 20C (Influent) PARM Code 80082 G Mon. Site No. INF-001	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Weekly	8-hr FPC
Solids, Total Suspended (Influent) PARM Code 00530 G Mon. Site No. INF-001	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Weekly	8-hr FPC
Percent Capacity, (TMADF/Permitted Capacity) x 100 PARM Code 00180 P Mon. Site No. CAL-001	Sample Measurement									
	Permit Requirement					Report (3Mo.Avg.)	percent		Monthly	Calculated
Flow PARM Code 50050 P Mon. Site No. FLW-001	Sample Measurement									
	Permit Requirement		0.499 (An.Avg.)	MGD					5 Days/Week	Calculated
Flow PARM Code 50050 Q Mon. Site No. FLW-001	Sample Measurement									
	Permit Requirement	Report (Qt.Avg.)	Report (Mo.Avg.)	MGD					5 Days/Week	Calculated

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to :** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-002  
 MONITORING GROUP DESCRIPTION: after completion of construction and flow to facility is equal to or greater than 0.500 MGD

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045-

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

COUNTY: Monroe  
 OFFICE: South District

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow PARM Code 50050 Y Mon. Site No. FLW-003	Sample Measurement										
	Permit Requirement		1.0 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow PARM Code 50050 I Mon. Site No. FLW-004	Sample Measurement										
	Permit Requirement		0.060 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow PARM Code 50050 P Mon. Site No. FLW-005	Sample Measurement										
	Permit Requirement		0.040 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow PARM Code 50050 Q Mon. Site No. FLW-006	Sample Measurement										
	Permit Requirement		0.010 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C PARM Code 80082 Y Mon. Site No. EFA-001	Sample Measurement										
	Permit Requirement					20.0 (An.Avg.)		mg/L		Weekly	8-hr FPC
BOD, Carbonaceous 5 day, 20C PARM Code 80082 A Mon. Site No. EFA-001	Sample Measurement										
	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Weekly	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

R-002

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 B Mon. Site No. EFB-001	Permit Requirement				5.0 (Max.)	mg/L		Daily; 24 hours	Grab
Coliform, Fecal	Sample Measurement								
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				25 (Max.)	#/100mL		Daily; 24 hours	Grab
Coliform, Fecal, % less than detection	Sample Measurement								
PARM Code 51005 A Mon. Site No. EFA-001	Permit Requirement			75 (Min.Mo.Total)		percent		Daily; 24 hours	Calculated
pH	Sample Measurement								
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)	8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement								
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			1.0 (Min.)		mg/L		Continuous	Meter
Turbidity	Sample Measurement								
PARM Code 00070 B Mon. Site No. EFB-001	Permit Requirement				Report (Max.)	NTU		Continuous	Meter

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to : Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two current Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD

From: \_\_\_\_\_ To: \_\_\_\_\_

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement									
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow	Sample Measurement									
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement				20.0 (An.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-001

PERMIT NUMBER: FLA014951-012-DW1P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement									
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL		Bi-weekly; every 2 weeks	Grab
Coliform, Fecal	Sample Measurement									
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Bi-weekly; every 2 weeks	Grab
pH	Sample Measurement									
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement									
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				0.5 (Min.)		mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement									
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement					Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement					Report (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to :** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P  
 LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-002  
 MONITORING GROUP DESCRIPTION: U-001 after December 31, 2015

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement		0.499 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow	Sample Measurement										
PARM Code 50050 I Mon. Site No. FLW-002	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement					5.0 (An.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			10.0 (Max.)	7.5 (Wk.Avg.)	6.25 (Mo.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement					5.0 (An.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			10.0 (Max.)	7.5 (Wk.Avg.)	6.25 (Mo.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-002

PERMIT NUMBER: FLA014951-012-DW1P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement										
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement				200 (An.Avg.)		#/100mL			Bi-weekly; every 2 weeks	Grab
Coliform, Fecal	Sample Measurement										
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL			Bi-weekly; every 2 weeks	Grab
pH	Sample Measurement										
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.			5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement				0.5 (Min.)		mg/L			5 Days/Week	Grab
Nitrogen, Total	Sample Measurement										
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement				3.0 (An.Avg.)		mg/L			Bi-weekly; every 2 weeks	8-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement				6.0 (Max.)	4.5 (Wk.Avg.)	3.75 (Mo.Avg.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement				1.0 (An.Avg.)			mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement				2.0 (Max.)	1.5 (Wk.Avg.)	1.25 (Mo.Avg.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to :** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-003  
 MONITORING GROUP DESCRIPTION: The two current permitted wells plus the two new constructed/operated Class 5 wells -

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

when the WWTP flows are equal to or greater than .500 MGD or After December 31, 2015

Key West, FL 33045-

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow	Sample Measurement								
PARM Code 50050 Y Mon. Site No. FLW-002	Permit Requirement	0.998 (An.Avg.)	MGD				5 Days/Week	Flow Totalizer	
Flow	Sample Measurement								
PARM Code 50050 1 Mon. Site No. FLW-002	Permit Requirement	Report (Mo.Avg.)	MGD				5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 Y Mon. Site No. EFA-001	Permit Requirement			5.0 (An.Avg.)	mg/L		Weekly	8-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 A Mon. Site No. EFA-001	Permit Requirement			10.0 (Max.)	7.5 (Wk.Avg.)	6.25 (Mo.Avg.)	mg/L	Weekly	8-hr FPC
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 Y Mon. Site No. EFA-001	Permit Requirement			5.0 (An.Avg.)	mg/L		Weekly	8-hr FPC	
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 A Mon. Site No. EFA-001	Permit Requirement			10.0 (Max.)	7.5 (Wk.Avg.)	6.25 (Mo.Avg.)	mg/L	Weekly	8-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-003  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement									
PARM Code 74055 Y Mon. Site No. EFA-001	Permit Requirement			200 (An.Avg.)			#/100mL		Weekly	Grab
Coliform, Fecal	Sample Measurement									
PARM Code 74055 A Mon. Site No. EFA-001	Permit Requirement			200 (Mo.Geo.Mn.)	800 (Max.)		#/100mL		Weekly	Grab
pH	Sample Measurement									
PARM Code 00400 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement									
PARM Code 50060 A Mon. Site No. EFA-001	Permit Requirement			0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement									
PARM Code 00600 Y Mon. Site No. EFA-001	Permit Requirement					3.0 (An.Avg.)	mg/L		Weekly	8-hr FPC
Nitrogen, Total	Sample Measurement									
PARM Code 00600 A Mon. Site No. EFA-001	Permit Requirement			6.0 (Max.)	4.5 (Wk.Avg.)	3.75 (Mo.Avg.)	mg/L		Weekly	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 Y Mon. Site No. EFA-001	Permit Requirement					1.0 (An.Avg.)	mg/L		Weekly	8-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 A Mon. Site No. EFA-001	Permit Requirement			2.0 (Max.)	1.5 (Wk.Avg.)	1.25 (Mo.Avg.)	mg/L		Weekly	8-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to :** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 OFFICE: South District

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement							
PARM Code B0008 + Mon. Site No. RMP-01	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated
Biosolids Quantity (Transferred)	Sample Measurement							
PARM Code B0007 + Mon. Site No. RMP-01	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to : Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RWS-A  
 MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis

REPORT FREQUENCY: Annually  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING NOT REQUIRED:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

COUNTY: Monroe  
 OFFICE: South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Antimony, Total Recoverable (GWS = 6)* PARM Code 01268 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Arsenic, Total Recoverable (GWS = 10) PARM Code 00978 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Barium, Total Recoverable (GWS = 2,000) PARM Code 01009 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Beryllium, Total Recoverable (GWS = 4) PARM Code 00998 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Cadmium, Total Recoverable (GWS = 5) PARM Code 01113 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Chromium, Total Recoverable (GWS = 100) PARM Code 01118 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC

\*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Cyanide, Free (amen. to chlorination)(GWS = 200) PARM Code 00722 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Fluoride, Total (as F) (GWS = 4.0/2.0) PARM Code 00951 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC
Lead, Total Recoverable (GWS = 15) PARM Code 01114 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable (GWS = 2) PARM Code 71901 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Nickel, Total Recoverable (GWS = 100) PARM Code 01074 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Nitrogen, Nitrate, Total (as N) (GWS = 10) PARM Code 00620 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC
Nitrogen, Nitrite, Total (as N) (GWS = 1) PARM Code 00615 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC
Nitrite plus Nitrate, Total I det. (as N)(GWS = 10) PARM Code 00630 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC
Selenium, Total Recoverable (GWS =50) PARM Code 00981 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Sodium, Total Recoverable (GWS = 160) PARM Code 00923 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP RWS-A  
NUMBER:  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Thallium, Total Recoverable (GWS = 2) PARM Code 00982 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	24-hr FPC
1,1-dichloroethylene (GWS = 7) PARM Code 34501 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
1,1,1-trichloroethane (GWS = 200) PARM Code 34506 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
1,1,2-trichloroethane (GWS = 5) PARM Code 34511 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
1,2-dichloroethane (GWS = 3) PARM Code 32103 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
1,2-dichloropropane (GWS = 5) PARM Code 34541 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
1,2,4-trichlorobenzene (GWS = 70) PARM Code 34551 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	24-hr FPC
Benzene (GWS = 1) PARM Code 34030 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
Carbon tetrachloride (GWS = 3) PARM Code 32102 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab
Cis-1,2-dichloroethene (GWS = 70) PARM Code 81686 P Mon. Site No. RWS-A	Sample Measurement								
	Permit Requirement				Report (Max.)	ug/L		Annually	Grab

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Dichloromethane (methylene chloride)(GWS = 5) PARM Code 03821 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Ethylbenzene (GWS = 700) PARM Code 34371 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Monochlorobenzene (GWS = 100) PARM Code 34031 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2-dichlorobenzene (GWS = 600) PARM Code 34536 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,4-dichlorobenzene (GWS = 75) PARM Code 34571 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Styrene, Total (GWS = 100) PARM Code 77128 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Tetrachloroethylene (GWS = 3) PARM Code 34475 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Toluene (GWS = 1,000) PARM Code 34010 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2-trans-dichloroethylene (GWS = 100) PARM Code 34546 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Trichloroethylene (GWS = 3) PARM Code 39180 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP RWS-A  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Vinyl chloride (GWS = 1) PARM Code 39175 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	Grab
Xylenes (GWS = 10,000) PARM Code 81551 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	Grab
2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) PARM Code 34675 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dichlorophenoxyacetic acid (GWS = 70) PARM Code 39730 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Silvex (GWS = 50) PARM Code 39760 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Alachlor (GWS = 2) PARM Code 39161 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Atrazine (GWS = 3) PARM Code 39033 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(a)pyrene (GWS = 0.2) PARM Code 34247 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Carbofuran (GWS = 40) PARM Code 81405 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)(GWS = 2) PARM Code 39350 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Dalapon (GWS = 200) PARM Code 38432 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Bis(2-ethylhexyl)adipate (GWS = 400) PARM Code 77903 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Bis(2-ethylhexyl) phthalate (GWS = 6) PARM Code 39100 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Dibromochloropropane (DBCP) (GWS = 0.2) PARM Code 82625 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Dinoseb (GWS = 7) PARM Code 30191 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Diquat (GWS = 20) PARM Code 04443 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Endothall (GWS = 100) PARM Code 38926 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Endrin (GWS = 2) PARM Code 39390 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) PARM Code 77651 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Glyphosate (GWS = 0.7) PARM Code 79743 P Mon. Site No. RWS-A	Sample Measurement									
	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP RWS-A  
NUMBER:  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Heptachlor (GWS = 0.4) PARM Code 39410 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide (GWS = 0.2) PARM Code 39420 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene (GWS = 1) PARM Code 39700 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene (GWS = 50) PARM Code 34386 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane) (GWS = 0.2) PARM Code 39782 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Methoxychlor (GWS = 40) PARM Code 39480 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Oxamyl (vydate) (GWS = 200) PARM Code 38865 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Pentachlorophenol (GWS = 1) PARM Code 39032 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Picloram (GWS = 500) PARM Code 39720 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Polychlorinated Biphenyls (PCBs)(GWS = 0.5) PARM Code 39516 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Simazine (GWS = 4) PARM Code 39055 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Toxaphene (GWS = 3) PARM Code 39400 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Trihalomethane, Total by summation(GWS = 0.080) PARM Code 82080 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	mg/L		Annually	Grab
Radium 226 + Radium 228, Total (GWS = 5) PARM Code 11503 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	pCi/L		Annually	24-hr FPC
Alpha, Gross Particle Activity (GWS = 15) PARM Code 80045 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	pCi/L		Annually	24-hr FPC
Aluminum, Total Recoverable (GWS = 0.2) PARM Code 01104 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Chloride (as Cl) (GWS = 250) PARM Code 00940 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Iron, Total Recoverable (GWS = 0.3) PARM Code 00980 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Copper, Total Recoverable (GWS = 1,000) PARM Code 01119 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Manganese, Total Recoverable (GWS = 50) PARM Code 11123 P Mon. Site No. RWS-A	Sample Measurement							
	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP RWS-A  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Silver, Total Recoverable (GWS = 100)	Sample Measurement							
PARM Code 01079 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Sulfate, Total (GWS = 250)	Sample Measurement							
PARM Code 00945 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Zinc, Total Recoverable (GWS = 5,000)	Sample Measurement							
PARM Code 01094 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
pH (GWS = 6.5-8.5)	Sample Measurement							
PARM Code 00400 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	s.u.		Annually	Grab
Solids, Total Dissolved (TDS) (GWS = 500)	Sample Measurement							
PARM Code 70295 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Foaming Agents (GWS = 0.5)	Sample Measurement							
PARM Code 01288 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC

## DAILY SAMPLE RESULTS - PART B

Permit Number:  
Monitoring Period

FLA014951-012-DW1P  
From: \_\_\_\_\_ To: \_\_\_\_\_

Facility: Key West Resort Utility WWTP

Code	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) mg/L	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u.	Solids, Total Suspended mg/L	Turbidity NTU	Flow MGD	Flow MGD
Mon. Site	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	FLW-002	FLW-003
1											
2											
3											
4											
5											
6											
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26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

**PLANT STAFFING:**

Day Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Evening Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Night Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Lead Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

ISSUANCE/REISSUANCE DATE:

## DAILY SAMPLE RESULTS - PART B

Permit Number:  
Monitoring Period

FLA014951-012-DW1P  
From: \_\_\_\_\_ To: \_\_\_\_\_

Facility: Key West Resort Utility WWTP

	Flow MGD	Flow MGD	Flow MGD	Flow MGD	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L					
Code	50050	50050	50050	50050	80082	00530					
Mon. Site	FLW-003	FLW-004	FLW-005	FLW-006	INF-001	INF-001					
1											
2											
3											
4											
5											
6											
7											
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26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

**PLANT STAFFING:**

Day Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Evening Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Night Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Lead Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28<sup>th</sup> of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign (" $<$ ") followed by the laboratory's MDL value, e.g.  $< 0.001$ . A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

### PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

**No Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Sample Measurement:** Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

**No. Ex.:** Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

**Frequency of Analysis:** The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

**Sample Type:** The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

**Comment and Explanation of Any Violations:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

## PART B - DAILY SAMPLE RESULTS

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Daily Monitoring Results:** Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

**Plant Staffing:** List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

## PART D - GROUND WATER MONITORING REPORT

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Date Sample Obtained:** Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

**Time Sample Obtained:** Enter the time the sample was taken.

**Sample Measurement:** Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.

**Detection Limits:** Record the detection limits of the analytical methods used.

**Analysis Method:** Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

**Sampling Equipment Used:** Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

**Samples Filtered:** Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

**Comments and Explanation:** Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

## SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

**Flow (Limited Wet Weather Discharge):** Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

**Flow (Upstream):** Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

**Actual Stream Dilution Ratio:** To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

**No. of Days the SDF > Stream Dilution Ratio:** For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (\*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "\*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

**CBOD<sub>5</sub>:** Enter the average CBOD<sub>5</sub> of the reclaimed water discharged during the period shown in duration of discharge.

**TKN:** Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

**Actual Rainfall:** Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

**Rainfall During Average Rainfall Year:** On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

**No. of Days LWWD Activated During Calendar Year:** Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

**Reason for Discharge:** Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.





# Florida Department of Environmental Protection

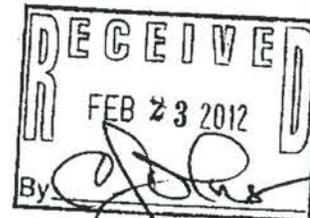
South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

CERTIFIED MAIL NO.: 7005 3110 0002 9314 2648  
RETURN RECEIPT REQUESTED



In the Matter of an  
Application for Permit by:

K W Resort Utility, Corp.  
Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040

Monroe County-DW  
Key West Resort Utility WWTP  
File Number FLA014951-011-DW2P

## NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number FLA014951 to operate the Key West Resort Utility WWTP, issued under Chapter 403, Florida Statutes.

Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

PERMITTEE: K W Resort Utility, Corp.  
FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
PA FILE NUMBER: FLA014951-011-DW2P

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), this permit will not be effective until further order of the Department.

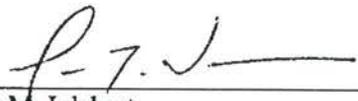
Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when this permit action is filed with the Clerk of the Department.

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Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
\_\_\_\_\_  
Jon M. Iglehart  
Director of  
District Management

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk,  
receipt of which is hereby acknowledged.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were  
mailed before the close of business on February 20, 2012 to the listed persons.

  
\_\_\_\_\_  
Name

2-20-12  
\_\_\_\_\_  
Date

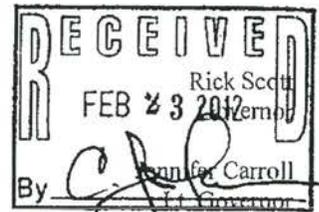
JMI/BJS/jl

Copies furnished to:  
FDEP Marathon office, e-mail  
Edward R. Castle, P.E. [edrcastle@me.com](mailto:edrcastle@me.com)  
Mary Plavumkal, FDEP, e-mail  
David Rhodes, P.G., FDEP, e-mail



# Florida Department of Environmental Protection

South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549



Herschel T. Vinyard Jr.  
Secretary

## STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**

K W Resort Utility, Corp.

**PERMIT NUMBER:**

FLA014951

**FILE NUMBER:**

FLA014951-011-DW2P

**ISSUANCE DATE:**

February 20, 2012

**EXPIRATION DATE:**

February 19, 2017

**RESPONSIBLE OFFICIAL:**

Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040  
(305) 522-0052

**FACILITY:**

Key West Resort Utility WWTP  
6630 Front Street, Stock Island  
Key West, FL 33045  
Monroe County  
Latitude: 24°34' 2.4058" N      Longitude: 81°44' .7186" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

Operate an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP) consisting of dual treatment trains with design flows of 0.249 MGD and 0.25 MGD which are piped together to allow the facility to operate as a single unit. Collection system influent flows to a splitter box which divides the flow to the separate treatment trains. Each train consists of: a bar screen, an aeration basin, an anoxic tank, a re-aeration basin, a clarifier, a sand filter, and a chlorine contact chamber. There are three aerobic digesters; one integrated into each of the treatment trains and a common digester. The biosolids are cured on four sludge drying beds. A reclaimed water sump sends reuse water to the Key West Golf Club storage ponds, the Monroe County Detention Center, or gravity discharge to the two ten-inch underground injection wells.

This WWTP has been modified to meet the advanced wastewater treatment (AWT) standards of Florida Statute 403.086 (10). The extended aeration process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

**REUSE OR DISPOSAL:**

**Underground Injection U-001:** An existing 0.499 MGD annual average daily flow permitted capacity underground injection well system consisting of two 10 inch Class V underground injection wells permitted under

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Department permit numbers 184940-018 and 019 discharging to Class G-III ground water are included in this permit. Underground Injection Well System U-001 is located approximately at latitude 24°33' 55" N, longitude 81°44' 51" W.

**Land Application R-001:** R-001 is a reuse system which consists of an existing 0.499 MGD AADF permitted capacity slow-rate public access (R-001) consisting of golf course irrigation at the Key West Golf Course, and toilet flushing, AC makeup water, and fire protection at the Monroe County Detention Center. The Key West Golf Club course irrigation system consists of two interconnected lakes that do not discharge to surface waters.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part X on pages 1 through 25 of this permit.

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**I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

**A. Underground Injection Control Systems**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well System U-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7.

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	0.499 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-002	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20 30 45 60	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max Max Max Max	20 30 45 60	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Annual Average Monthly Geometric Mean Single Sample	Every 2 weeks	Grab	EFA-001	See I.A.5
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-001	See I.A.6
Nitrogen, Total	mg/L	Max		Report	Every 2 weeks	8-hr FPC	EFA-001	
Phosphorus, Total (as P)	mg/L	Max		Report	Every 2 weeks	8-hr FPC	EFA-001	

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2. **Beginning on January 01, 2016, the facility shall either cease all discharge to the injection wells or meet revised annual average effluent limits for certain parameters as shown below. The limits for the other parameters listed in I.A.1. will remain the same.**
- a. Carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) of 5.0 mg/L;
  - b. Total suspended solids (TSS) of 5.0 mg/L;
  - c. Total nitrogen (as N) of 3.0 mg/L;
  - d. Total phosphorus (as P) of 1.0 mg/L.

*[403.086 (10), F.S.]*

3. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-002	Flow measurement for effluent discharge into the injection wells.
EFA-001	After chlorination and prior to the disposal system R-001.

4. A recording flow meter with a totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-601.200(17) and .500(6)]*
5. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. *[62-600.440(4)(c)]*
6. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-600.440(4)(b) and (5)(b)]*
7. The permittee shall monitor to ensure proper process control in accordance with the operator sampling and testing schedule included in the facility's Operation and Maintenance Manual. This monitoring may be performed using methods other than those in Chapter 62-160, F.A.C., as long as this data is for process control purposes and is not reported on the Discharge Monitoring Report. *[62-620.320(6)]*

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**B. Reuse and Land Application Systems**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7:

Parameter	Units	Reclaimed Water Limitations			Monitoring Requirements			Notes
		Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	0.499 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-003	
Flow	MGD	Max Max	0.499 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-004	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Every 2 weeks	8-hr FPC	EFA-001	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	4 Days/Week	Grab	EFA-001	
Coliform, Fecal	#/100mL	Max	25	Single Sample	4 Days/Week	Grab	EFA-001	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	4 Days/Week	Calculated	EFA-001	See I.B.3
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-001	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-001	See I.B.4 and I.B.7
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFA-001	See I.B.5 and I.B.7
Giardia	cysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-001	See I.B.8
Cryptosporidium	Oocysts /100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-001	See I.B.8

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2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-003	Flow measurement of reclaimed water sent to the Key West Golf Course
FLW-004	Flow measurement of reclaimed water sent to the Monroe County Detention Center
EFA-001	After chlorination and prior to the disposal system R-001.
EFB-001	Turbidity samples are taken immediately after filtration from a common feed line to the turbidity analyzer.

3. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
4. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]
5. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. [62-610.463(2)]
6. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocols may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocols shall be directed to the following permitted alternate discharge system: U-001. [62-610.320(6) and 62-610.463(2)]
7. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]
8. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. [62-610.463(4)]

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**C. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7.

Parameter	Units	Max/Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max Max	0.499 Report Report	Annual Average Monthly Average Quarterly Average	5 Days/Week	Calculated	FLW-001	
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Three Month Average	Monthly	Calculated	FLW-001	See II, A.3
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Every 2 weeks	8-hr FPC	INF-001	See I.C.3 and I.C.14
Biosolids Transferred	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-01	
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	Every 2 weeks	8-hr FPC	INF-001	See I.C.3 and I.C.14

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2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-001	Sum of FLW-002, FLW-003 and FLW-004.
RMP-01	Monthly total of biosolids hauled.
INF-001	Influent taken at either bar screen.

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's South District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]
5. The sample collection, analytical test methods and method detection limits applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. [62-4.246, 62-160]
6. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
7. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Due Date
Monthly	First day of month - last day of month	28 <sup>th</sup> day of following month
Quarterly	January 1 - March 31	April 28
	April 1 - June 30	July 28
	July 1 - September 30	October 28
	October 1 - December 31	January 28
Semiannual	January 1 - June 30	July 28
	July 1 - December 30	January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall submit the completed DMR forms to the

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Department's South District Office at the address specified in Permit Condition I.C.12. by the twenty-eighth (28th) of the month following the month of operation.

If submitting electronic DMR forms, the permittee shall use the electronic DMR system approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

*[62-620.610(18)][62-601.300(1),(2), and (3)]*

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)][62-601.500(3)][62-610.300(4)]*
9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
10. The operating protocol shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's South District Office for review and approval upon revision of the operating protocol and with each permit application. *[62-610.463(2)]*
11. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's South District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. *[62-610.464(5)]*
12. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's South District Office at the address specified below:  
  
South District Branch Office  
Florida Department of Environmental Protection  
2796 Overseas Highway, Suite 221  
Marathon, Florida 33050  
  
Phone Number -- 305-289-2310  
FAX Number -- 850-412-0590  
(All FAX copies and e-mails shall be followed by original copies.) *[62-620.305]*
13. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

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- Influent flow proportioned composite samples for CBOD<sub>5</sub>, and total suspended solids, total nitrogen, shall be taken at the same time of day that the effluent samples are taken. [62-601.300(6)]

## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

### A. Basic Requirements

- Biosolids generated by this facility may be disposed of in a Class I solid waste landfill. [62-620.320(6), 62-640.880(1)]
- The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
- Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.C.7.

Parameter	Units	Max /Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Landfilled)	Dry tons	Max	Report	Total Monthly	Monthly	Calculated	RMP - 01

[62-640.650(5)(a)1]

- Biosolids quantities shall be calculated as listed in Permit Condition II. 3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculation
RMP- 01	Monthly total of biosolids that are landfilled

- The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]

[62-620.350, 62-602.650, 62-640.650(4)]

## III. GROUND WATER REQUIREMENTS

The Department has determined that groundwater monitoring is no longer necessary at this facility.

- Within 90 days of permit issuance, all piezometers and monitoring wells previously part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C.
- Within 30 days of completion of abandonment, the permittee shall submit to the Department two copies of certification of completion on Well Completion Report Form 62-532.900(2). The original shall be sent to the South District office in Fort Myers at P.O. Box 2549, Fort Myers, FL 33902. A copy shall be sent the South District Branch Office in Marathon. [62-532.410]

**IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS**

**A. Part III Public Access System**

This reuse system includes the following users:

User Name	User Type	Capacity (MGD)	Acreage
Key West Golf Course	Golf Course	0.499	100.27
Monroe County Detention Facility	Can receive 0.06 MGD of reclaimed water stored in 3 holding tanks (capacity of 102,372 gallons) for toilet flushing, AC cooling, and fire protection	0.060	
Totals		0.559	100.27

1. Cross-connections to the potable water system are prohibited. [62-610.469(7)]
2. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use. [62-610.469(7)]
3. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify the proper use of reclaimed water. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. [62-610.469(7)(h)]
4. If a cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
  - a. Immediately discontinue potable water and/or reclaimed water service to the affected area.
  - b. If the potable water system is contaminated, clear the potable water lines.
  - c. Eliminate the cross-connection.
  - d. Test the affected area for other possible cross-connections.
  - e. Within 24 hours, notify the Department's South District Office's domestic wastewater and drinking water programs.
  - f. Within 5 days of discovery of a cross-connection, submit a written report to the Department's South District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

[62-555.350(3) and 62-555.360][62-620.610(20)]

5. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided.

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Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. [62-610.469(7)]

6. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. [62-610.471(3)]
7. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. [62-610.471(1), (2), (5), and (7)]
8. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. [62-610.469(4)]
9. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. [62-610.471(6)]
10. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. [62-610.471(8)]
11. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. [62-610.468(2)]
12. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. [62-610.468, 62-610.469]
13. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. [62-610.468(6)]
14. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]
15. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. [62-610.800(9)]

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## V. OPERATION AND MAINTENANCE REQUIREMENTS

### A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of an operator certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C facility and during the period while operating in the extended aeration process. During the period the facility is operated as a nutrient removal process, this facility is a Category I, Class C facility. The minimum operator certification and minimum on-site operator presence is as follows:

**A Class C or higher operator for a minimum of: 6 hours per day for 7 days per week. The lead/chief operator must be a Class C operator, or higher.**

*[62-620.630(3)][62-699.310] [62-610.462]*

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (6) and (1)]*

### B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*

### C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
  - e. A copy of the current permit;

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- f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
- g. A copy of any required record drawings;
- h. Copies of the licenses of the current certified operators; and
- i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650]

## VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule. **For each Improvement Action listed below, the permittee shall submit a written notice of completion to the Department within 10 days of completing the Improvement Actions:**

Improvement Action	Completion Date
1. Submit a reuse operating protocol after switching the WWTP operation from extended aeration process to AWT nutrient removal process.	When process is changed to meet AWT limits
2. Submit notice of availability of final operation and maintenance manuals on Form 62-620.910(13).	6 months after the facility changes its operating process to meet AWT limits

[62-620.320(6)]

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
- a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
  - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1) - (4)]

## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

This facility is not required to have a pretreatment program at this time. [62-625.500]

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8. The permittee shall provide verbal notice to the Department's South District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's South District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
9. The permittee shall provide adequate notice to the Department of the following:
  - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and
  - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

*[62-620.625(2)]*

#### IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an

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### VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8) and 62-640.400(6)]
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
  - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.[62-604.130(5)]
5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-600.400(2)(b)]
6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]

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enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]

6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
  - b. Have access to and copy any records that shall be kept under the conditions of this permit;
  - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
  - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a

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reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]

13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
  - a. A description of the anticipated noncompliance;
  - b. The period of the anticipated noncompliance, including dates and times; and
  - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
  - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
  - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
  - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
  - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

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- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The permittee shall report to the Department's South District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
  - a. The following shall be included as information which must be reported within 24 hours under this condition:
    - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
    - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
    - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
    - (4) Any unauthorized discharge to surface or ground waters.
  - b. Oral reports as required by this subsection shall be provided as follows:
    - (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
      - (a) Name, address, and telephone number of person reporting;
      - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
      - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
      - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
      - (e) Estimated amount of the discharge;
      - (f) Location or address of the discharge;
      - (g) Source and cause of the discharge;
      - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
      - (i) Description of area affected by the discharge, including name of water body affected, if any; and
      - (j) Other persons or agencies contacted.

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- (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's South District Office within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's South District Office shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. [62-620.610(21)]
22. Bypass Provisions.
- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
- b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
- (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
  - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
- c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.
- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.
- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
- (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.

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- (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
  - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

## X. INJECTION WELLS:

### 1. GENERAL CRITERIA

- a. The permittee shall be aware of and operate under the General Conditions of Florida Administrative Code, (F.A.C.), Rule 62-528.307(1), (a) through (x), and 62-528.307(3)(a) through (e). These General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.
- b. Any permit noncompliance constitutes a violation of the Safe Drinking Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- d. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.
- e. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.
- f. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation or reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. When requested by the Department, the permittee shall furnish, within the time specified, any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

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h. Signatories and Certification Requirements

1. All reports and other submittals required to comply with this permit shall be signed by a person authorized under Rules 62-528.340(1) or (2), F.A.C.
2. In accordance with Rule 62-528.340(4), F.A.C., all reports shall contain the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- i. The permittee shall notify the Department and obtain approval prior to any work within the well, physical alterations or additions to the injection or monitor well, including removal of the wellhead.(includes well clean out or other well rehabilitation type work)
- j. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or injection activity that may result in noncompliance with permit requirements.
  1. The permittee shall report any noncompliance that may endanger health or the environment, to include:
  2. Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water; or to adjacent surface waters, or
  3. Any noncompliance with a permit condition or malfunction of the injection system that may cause fluid migration into or between underground sources of drinking water or adjacent surface waters.
- k. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- l. No underground injection is allowed that causes or allows movement of fluid into an underground source of drinking water.
- m. The permittee shall retain all records of all monitoring information concerning the nature and composition of injected fluid until five years after completion of any plugging and abandonment procedures specified under Rule 62-528.435, F.A.C. The permittee shall deliver the records to the Department office that issued the permit at the conclusion of the retention period unless the permittee elects to continue retention of the records.

2. OPERATING REQUIREMENTS

- a. Injection of any fluids or materials, other than those permitted, into the disposal wells will constitute a violation of this permit and shall constitute cause for permit revocation and possible enforcement action for water quality violations.

PERMITTEE: K W Resort Utility, Corp.  
FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
PA FILE NUMBER: FLA014951-011-DW2P

- b. Injection into the well shall not exceed a peak hourly flow rate of 1040 gallons per minute (1.497 million gallons per day, Peak Day Flow). Flow to the wellhead shall be measured with a properly calibrated flow meter or such other devices as provided for in this facility's wastewater treatment permit.
- c. In the event the permittee is temporarily unable to comply with any of the conditions of a permit due to breakdown of equipment, power outages, destruction by hazard of fire, wind, or by other cause, the permittee of the facility shall notify the Department.
- d. Notification shall be made in person, by telephone, or by electronic mail within 24 hours of breakdown or malfunction to the South District office.
- e. A written report of any noncompliance referenced in Specific Condition 2.c above shall be submitted to the South District and Tallahassee offices within five days after its occurrence. The report shall describe the nature and cause of the breakdown or malfunction, the steps being taken or planned to be taken to correct the problem and prevent its reoccurrence, emergency procedures in use pending correction of the problem, and the time when the facility will again be operating in accordance with permit conditions.
- f. The permittee shall calibrate all pressure gauges, flow meters, chart recorders, and other related equipment associated with the injection well system on the same basis as is required by the facility wastewater permit. The permittee shall maintain all monitoring equipment and shall ensure that the monitoring equipment is calibrated and in proper operating condition at all times. Laboratory equipment, methods, and quality control will follow EPA guidelines as expressed in Standard Methods for the Examination of Water and Wastewater. The pressure gauges, flow meters, and chart recorders, as applicable to this facility, shall be calibrated using standard engineering methods. Calibration records shall be kept by the permittee at the permitted facility and be available for inspection by Department personnel upon request.
- g. In the event a well must be plugged or abandoned, the permittee shall obtain a permit from the Department as required by Chapter 62-528, Florida Administrative Code. Within 180 days of well abandonment, the permittee shall submit to the Department and the TAC the proposed plugging method, pursuant to Rule 62-528.460, F.A.C. When no longer used for their intended purpose, these wells shall be properly plugged and abandoned.

3. TESTING AND REPORTING REQUIREMENTS

- a. The injection system shall be monitored in accordance with Rule 62-528.615(2), F.A.C. The following injection well performance data shall be recorded and reported in a Monthly Operating Report as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

**INJECTION WELLS**

The specifications for the injection wells are as follows:

<i>Casing Diameter and Type</i>	<i>Depth Cased (ft bls)</i>	<i>Open Hole Interval (feet bls)</i>
10" Sch 40 PVC	60'	From 60 to 90

The injection wells shall be monitored in accordance with the parameters and frequencies listed below. The flow rate shall be recorded continuously or as required by the facility wastewater permit in accordance with Rule 62-528.615(2), F.A.C. All samples shall be collected and analyzed in accordance

PERMITTEE: K W Resort Utility, Corp.  
 FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
 PA FILE NUMBER: FLA014951-011-DW2P

with the quality assurance requirements of Chapter 62-160, F.A.C. The report shall include the following data:

<b>Parameters</b>	<b>Reporting Frequency</b>
Daily Flow Rate (gpm)	Daily/Monthly
Maximum Peak Hourly Flow Rate (For non-continuous recorders please substitute Average Hourly Flow for the Peak Hourly Flow Rate. Average Hourly Flow = Daily Flow Rate ÷ 24)	Daily/Monthly
Minimum Total Residual Chlorine (mg/L)	Daily/Monthly
Total Volume WWTP Effluent Injected (gallons)	Daily/Monthly

**WWTP Effluent Water Quality**

<b>Parameters</b>	<b>Reporting Frequency</b>
pH (std. Units)	Monthly
Total Nitrogen (TN) (mg/L)	Monthly
Total Phosphorus (mg/L)	Monthly
CBOD <sub>5</sub> (mg/L)	Monthly
Solids, Total Suspended (mg/L)	Monthly
Fecal Coliform	Monthly

- b. In accordance with Rule 62-528.615(2), F.A.C. the permittee shall submit to the Department the results of all monitoring data collected no later than the last day of the month immediately following the end of the month of record. The results shall be sent to the Department of Environmental Protection, South District Office, P.O. Box 2549, Fort Myers, Florida 33902-2549. The results shall be submitted in the same manner and on the same forms as required by the facility wastewater permit
- 4. UIC PROGRAM DISPOSAL WELL PERMIT RENEWAL
  - a. In accordance with Rules 62-4.090(1) and 62-528.455(3)(a), F.A.C., the permittee shall submit an application for renewal of the existing injection well system operating permit (a minimum of 5 copies) with the applicable fee at least 60 days prior to the expiration of this operation permit. The application for renewal shall include the items listed in Rule 62-528.455(3)(b), F.A.C.
- 5. EMERGENCY DISPOSAL
  - a. All applicable federal, state and local permits must be in place to allow for any alternate discharges due to emergency or planned outage conditions.
  - b. Any changes in emergency disposal methods must be submitted for Technical Advisory Committee (TAC) review and Department approval.
  - c. The permittee shall notify the local office of the Department within 24 hours in the event the emergency discharge has been used. The notification should include the reason for using the emergency discharge, the duration of the discharge, and the volume discharged. Written notification shall be provided within 5 days after its occurrence.
- 6. The permittee is reminded of the necessity to comply with the pertinent regulations of any other regulatory agency, as well as any county, municipal, and federal regulations applicable to the project. These regulations may include, but are not limited to, those of the Federal Emergency Management

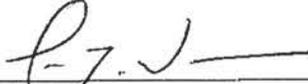
PERMITTEE: K W Resort Utility, Corp.  
FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
PA FILE NUMBER: FLA014951-011-DW2P

Agency in implementing flood control measures. This permit should not be construed to imply compliance with the rules and regulations of other regulatory agencies.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
\_\_\_\_\_  
Jon M. Iglehart  
Director of  
District Management

DATE: FEBRUARY 20, 2012

JMI/BJS/jl

**STATEMENT OF BASIS  
FOR  
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA014951  
 PA FILE NUMBER: FLA014951-011-DWIP  
 FACILITY NAME: Key West Resort Utility WWTP  
 FACILITY LOCATION: 6630 Front St., Stock Island, Key West, FL 33045  
 Monroe County  
 NAME OF PERMITTEE: K W Resort Utility, Corp.  
 PERMIT WRITER: Barbara J. Skates

**1. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS**

This facility is authorized to discharge reclaimed water to **Underground Injection Well System U-001** which consists of 2 Class V injection wells discharging to Class G-III ground water based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.499	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC
		Max	6.25	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	7.5	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	10.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC
		Max	6.25	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	7.5	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	10.0	Single Sample	62-600.740(1)(b)1.d. FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC
		Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	62-600.440(4)(b) FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC
		Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
		Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
		Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	1.0	Annual Average	Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC
		Max	1.25	Monthly Average	62-600.740(1)(b)2.b. FAC
		Max	1.5	Weekly Average	62-600.740(1)(b)2.c. FAC
		Max	2.0	Single Sample	62-600.740(1)(b)2.d. FAC

Until the facility upgrades its treatment processes to meet AWT limits, the effluent must meet secondary standards.

This facility is authorized to direct reclaimed water to **Reuse System R-001**, a slow-rate public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.499-	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
		Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	62-600.440(5)(f)1. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

**Other Limitations and Monitoring Requirements:**

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.499	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
		Max	Report	Quarterly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Biosolids Transferred	dry tons	-	Report	Monthly Total	62-640.880(4) FAC
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
**MONITORING PERIOD** From: \_\_\_\_\_ To: \_\_\_\_\_

Final N/A  
 R-001  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic  
 reuse storage golf course pond and irrigation system, with Influent

COUNTY: Monroe  
 OFFICE: South District

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
Flow	Sample Measurement							
Flow	Sample Measurement							
Solids, Total Suspended	Sample Measurement							
Coliform, Fecal	Sample Measurement							
Coliform, Fecal, % less than detection	Sample Measurement							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: To:

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	
pH	Sample Measurement							
Chlorine, Total Residual (For Disinfection)	Sample Measurement							
Turbidity	Sample Measurement							
Flow	Sample Measurement							
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
Flow	Sample Measurement							
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement							
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement							
Solids, Total Suspended (Influent)	Sample Measurement							

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers, FL 33901-3875

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **U-001**  
 MONITORING GROUP DESCRIPTION: two Class V injection wells

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
**MONITORING PERIOD** From: \_\_\_\_\_ To: \_\_\_\_\_

COUNTY: Monroe  
 OFFICE: South District

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
Flow	Sample Measurement							
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
Solids, Total Suspended	Sample Measurement							
Solids, Total Suspended	Sample Measurement							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-001

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement							
Coliform, Fecal	Sample Measurement							
pH	Sample Measurement							
Chlorine, Total Residual (For Disinfection)	Sample Measurement							
Nitrogen, Total	Sample Measurement							
Nitrogen, Total	Sample Measurement							
Phosphorus, Total (as P)	Sample Measurement							
Phosphorus, Total (as P)	Sample Measurement							

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: K W Utility Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: **RMP-Q**  
 MONITORING GROUP DESCRIPTION: **Biosolids Quantity**  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

COUNTY: Monroe  
 South District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
<b>Biosolids Quantity (Landfilled)</b>	Sample Measurement							
<b>PARM Code B0008 + Mon. Site No. RMP-I</b>	Permit Requirement	<b>Report (Mo.Total)</b>	dry tons				<b>Monthly</b>	<b>Calculated</b>

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: K W Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040

PERMIT NUMBER: **FLA014951-011-DW2P**

LIMIT:  
 CLASS SIZE:  
 MONITORING GROUP NUMBER:  
 MONITORING GROUP DESCRIPTION:  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
**MONITORING PERIOD** From: \_\_\_\_\_ To: \_\_\_\_\_

Final  
 N/A  
**RWS-A**  
 Annual Reclaimed Water or Effluent Analysis

REPORT FREQUENCY: **Annually**  
 PROGRAM: **Domestic**

FACILITY: **Key West Resort Utility WWTP**  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045

COUNTY: **Monroe**  
 OFFICE: **South District**

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Antimony, Total Recoverable	Sample Measurement							
Arsenic, Total Recoverable	Sample Measurement							
Barium, Total Recoverable	Sample Measurement							
Beryllium, Total Recoverable	Sample Measurement							
Cadmium, Total Recoverable	Sample Measurement							
Chromium, Total Recoverable	Sample Measurement							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Cyanide, Total Recoverable	Sample Measurement							
Fluoride, Total (as F)	Sample Measurement							
Lead, Total Recoverable	Sample Measurement							
Mercury, Total Recoverable	Sample Measurement							
Nickel, Total Recoverable	Sample Measurement							
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
Nitrogen, Nitrite, Total (as N)	Sample Measurement							
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
Selenium, Total Recoverable	Sample Measurement							
Sodium, Total Recoverable	Sample Measurement							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Thallium, Total Recoverable	Sample Measurement							
1,1-dichloroethylene	Sample Measurement							
1,1,1-trichloroethane	Sample Measurement							
1,1,2-trichloroethane	Sample Measurement							
1,2-dichloroethane	Sample Measurement							
1,2-dichloropropane	Sample Measurement							
1,2,4-trichlorobenzene	Sample Measurement							
Benzene	Sample Measurement							
Carbon tetrachloride	Sample Measurement							
Cis-1,2-dichloroethene	Sample Measurement							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Dichloromethane (methylene chloride)	Sample Measurement							
Ethylbenzene	Sample Measurement							
Monochlorobenzene	Sample Measurement							
1,2-dichlorobenzene	Sample Measurement							
1,4-dichlorobenzene	Sample Measurement							
Styrene, Total	Sample Measurement							
Tetrachloroethylene	Sample Measurement							
Toluene	Sample Measurement							
1,2-trans-dichloroethylenc	Sample Measurement							
Trichloroethylene	Sample Measurement							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: RWS-A  
 MONITORING PERIO From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-011-DW2P

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Vinyl chloride	Sample Measurement							
Xylenes	Sample Measurement							
2,3,7,8-tetrachlorodibenzo-p-dioxin	Sample Measurement							
2,4-dichlorophenoxyacetic acid	Sample Measurement							
Silvex	Sample Measurement							
Alachlor	Sample Measurement							
Atrazine	Sample Measurement							
Benzo(a)pyrene	Sample Measurement							
Carbofuran	Sample Measurement							
Chlordane (tech mix. and metabolites)	Sample Measurement							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Dalapon	Sample Measurement							
Bis(2-ethylhexyl)adipate	Sample Measurement							
Bis (2-ethylhexyl) phthalate	Sample Measurement							
Dibromochloropropane (DBCP)	Sample Measurement							
Dinoseb	Sample Measurement							
Diquat	Sample Measurement							
Endothall	Sample Measurement							
Endrin	Sample Measurement							
Ethylene dibromide (1,2-dibromoethane)	Sample Measurement							
Glyphosate	Sample Measurement							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

NUMBER:

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Heptachlor	Sample Measurement							
Heptachlor epoxide	Sample Measurement							
Hexachlorobenzene	Sample Measurement							
Hexachlorocyclopentadiene	Sample Measurement							
Gamma BHC (Lindane)	Sample Measurement							
Methoxychlor	Sample Measurement							
Oxamyl (vydate)	Sample Measurement							
Pentachlorophenol	Sample Measurement							
Picloram	Sample Measurement							
Polychlorinated Biphenyls (PCBs)	Sample Measurement							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Simazine	Sample Measurement										
Toxaphene	Sample Measurement										
Trihalomethane, Total by summation	Sample Measurement										
Radium 226 + Radium 228, Total	Sample Measurement										
Alpha, Gross Particle Activity	Sample Measurement										
Aluminum, Total Recoverable	Sample Measurement										
Chloride (as Cl)	Sample Measurement										
Iron, Total Recoverable	Sample Measurement										
Copper, Total Recoverable	Sample Measurement										
Manganese, Total Recoverable	Sample Measurement										

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA014951-011-DW2P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Silver, Total Recoverable	Sample Measurement										
Sulfate, Total	Sample Measurement										
Zinc, Total Recoverable	Sample Measurement										
pH	Sample Measurement										
Solids, Total Dissolved (TDS)	Sample Measurement										
Foaming Agents	Sample Measurement										

## DAILY SAMPLE RESULTS - PART B

Permit Number: **FLA014951-011-DW2P**

Facility: **Key West Resort Utility WWTP**

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_

	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) mg/L	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u.	Solids, Total Suspended mg/L	Turbidity NTU	Flow MGD	Flow MGD
Code	80082	50060	74055	00600	00665	00530	00400	00530	00070	50050	50050
Mon. Site	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFA-001	EFB-001	EFB-001	FLW-002	FLW-003
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

**PLANT STAFFING:**

Day Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Evening Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Night Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Lead Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

## DAILY SAMPLE RESULTS - PART B

Permit Number: **FLA014951-011-DW2P**

Facility: **Key West Resort Utility WWTP**

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_

	Flow MGD	Flow MGD	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L				
Code	50050	50050	80082	00530				
Mon. Site	FLW-004	FLW-001	INF-001	INF-001				
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
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25								
26								
27								
28								
29								
30								
31								
Total								
Mo. Avg.								

**PLANT STAFFING:**

Day Shift Operator	Class: _____	Certificate No: _____	Name: _____
Evening Shift Operator	Class: _____	Certificate No: _____	Name: _____
Night Shift Operator	Class: _____	Certificate No: _____	Name: _____
Lead Operator	Class: _____	Certificate No: _____	Name: _____

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28<sup>th</sup> of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign (" $<$ ") followed by the laboratory's MDL value, e.g.  $< 0.001$ . A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

### PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

**No Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Sample Measurement:** Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units.

**No. Ex.:** Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

**Frequency of Analysis:** The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

**Sample Type:** The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

**Comment and Explanation of Any Violations:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

## PART B - DAILY SAMPLE RESULTS

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Daily Monitoring Results:** Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

**Plant Staffing:** List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

## PART D - GROUND WATER MONITORING REPORT

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Date Sample Obtained:** Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

**Time Sample Obtained:** Enter the time the sample was taken.

**Sample Measurement:** Record the results of the analysis. If the result was below the minimum detection limit, indicate that.

**Detection Limits:** Record the detection limits of the analytical methods used.

**Analysis Method:** Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

**Sampling Equipment Used:** Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

**Samples Filtered:** Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

**Comments and Explanation:** Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

## SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

**Flow (Limited Wet Weather Discharge):** Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

**Flow (Upstream):** Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

**Actual Stream Dilution Ratio:** To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

**No. of Days the SDF > Stream Dilution Ratio:** For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (\*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "\*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

**CBOD<sub>5</sub>:** Enter the average CBOD<sub>5</sub> of the reclaimed water discharged during the period shown in duration of discharge.

**TKN:** Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

**Actual Rainfall:** Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

**Rainfall During Average Rainfall Year:** On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

**No. of Days LWWD Activated During Calendar Year:** Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

**Reason for Discharge:** Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

NOTICES

NONE

FIELD EMPLOYEES



## KW Resort Utilities Corp

6630 Front Street  
Key West, FL 33040  
305.295.3301  
FAX 305.295.0143  
www.kwru.com

25-30.440 (8)

### 2014 KW Resort Utilities Field Employees

**Method of allocation.** Christopher Johnson's salary is allocated to 703 Officer Salaries. All other employees carry out the operations and maintenance work on behalf of the Utility therefore each of their salaries are allocated to 701.

**Christopher Johnson – State of Florida Class A WWTP Operator (# A13917) President KW Resort Utilities Corp – Airvac Certification # 1020, Professional Engineer Intern ( Illinois License #061-030504)**

Provide operational and administrative management and oversight for the KW Resort Utilities wastewater utility. Operational responsibilities include the management of the third largest wastewater treatment plant in the Keys, and a public sewer system comprised of both vacuum and force main systems. Other responsibilities include laboratory management, compliance with State regulations, facilities management, and management of the largest reclaimed water system in the Keys. Administrative responsibilities include budgeting, capital planning, accounting, information systems, data management, billing, financial planning and reporting, and reporting to a Board of Directors. Capital project responsibilities including the review of bid packages, design, contractor qualifications, submitted bids, financing, and bonding. Additional responsibilities include personnel management, development of strategic partnerships, and contract negotiation. Scheduled for "on call" duty, and serves as Plant Operator on weekends on a rotating basis.

**Mark Burkemper – State of Florida Class B Operator (# B5355) - Senior plant operator/safety Officer – Airvac Certification # 1125**

Senior Plant operator in charge of day to day operations of treatment plant, process control decisions, plant laboratory, and plant maintenance schedules. Also provides safety meetings to field crews. On scheduled "on call " duty, along with Plant Operator duty on weekends on a rotating basis.

**Robert Bellino – State of Florida Class C Operator (# C21394) – Senior Systems Engineer Airvac Certified**

Supervisor in charge of tracking, scheduling, and documenting all preventative maintenance on Wastewater Treatment Plant, Vacuum Station, and entire collection system. In charge of ordering all parts for plant and collection system. Responsible for all pumps (inventory, ordering and repairs). Supervised outside contractors when working on the WWTP. On scheduled "on call" duty, along with Plant Operator duty on weekends on a rotating basis.

**Blaine Grassi – Airvac Certified**

**Field Technician**

Perform overall maintenance and repairs in the vacuum system, lift stations, vacuum pits and buffer tanks. Analyze problems, make necessary corrections. On scheduled "on call" duty.

**Eddie Roberts – Airvac Certified**

**Operator Trainee**

Worked closely with Ted Yarbro in learning the overall maintenance and repairs of the WWTP and Collection System. In charge of inspections in regard to leaking laterals in the collection system. Work with homeowners and the plumbers in repair of the leaking laterals. Inspection of all new sewer hook ups. On scheduled "on call" duty.

**Theador Yarbro – Class B Operator (# B13317) – Operations Manager**

Perform technical, supervisory, and managerial work directing the overall maintenance and repair of the wastewater treatment plant, vacuum station, lift stations, vacuum pits, buffer tanks and all related valves, controls, and appurtances. Plan, prioritize, assign, supervise, review, and evaluate the work of staff and interface with vendors in the course of maintaining wastewater facilities. On scheduled "on call" duty along with Plant Operator on weekends on a rotating basis..

**Pierre Amboise –**

**Field Technician**

Checks all lift station each morning fills out run times sheets and reports any problems. Performs maintenance and repairs in the vacuum system, lift station and vacuum pits. Handles emergency call outs and weekend runs when needed. On scheduled "on call duty".

**Keith Waddell –**

**Field Technician**

**Plant and Collection System**

Daily maintenance of plant grounds. Assist head mechanic with pulling and installing pumps. Assisted with general work and maintenance where needed. On scheduled "on call" duty.

**Sean Bindranauth – Field Technician – Plant and Collection System (Replaced Blaine Grassi)**

Perform overall maintenance and repairs in the vacuum system, lift stations, vacuum pits and buffer tanks. Analyze problems, make necessary corrections. On scheduled "on call" duty.

**Matt Pellerito – Maintenance Plant and Collection System (Replaced Robert Bellino) Airvac Certified.**

Perform technical, supervisory, and managerial work directing the overall maintenance and repair of the wastewater treatment plant, vacuum station, lift stations, vacuum pits, buffer tanks and all related valves, controls, and appurtances. On scheduled "on call" duty.

PRO FORMA

Last Update 05-26-2015

Description, 350,000 expansion	Cost	
Purchase inner ring tank of 350,000 gpd plant, outer base ring, coarse bubble diffusers, access stairs and platform	\$1,091,125	here is where the money is saved in Equipment/Tank/Steel Eqova Quotation
Clearing, grubbing and demolition	\$20,000	
Foundation, 90' diameter, including piles	\$150,000	
Pre-stressed Driven Piles (ca. 70EA)	\$190,000	
Elevated concrete platform for blowers (with alum railings)	\$67,000	
Digester Blowers in exterior enclosures (2) including tax and delivery	\$145,000	
	\$18,000	vfd's
Yard Piping (including flow meters, valves etc.)	\$73,000	Beneway 13K well piping PhaseI 18K paid
Installation of Inner Ring Steel tank and outer base ring, stairs, air headers, etc	\$375,000	installation of entire steel plant vs just inner ring tank plus the outer ring
Field Blasting and Coating	\$380,000	Eqova Quotation
Chemical storage and feed system	\$60,000	
Chemical storage slab, drain, sump	\$8,500	\$33,250 Toppino Contract
Electrical (including PLC, chemical probes, alarms, SCADA)	\$180,000	
Additional Sand Filters, foundation, valves, underdrain, media, etc.	\$135,773	
Static Screens for Existing WWTPS (Sweco)	\$63,000.00	\$62,218.93 Actual Cost SWECO-MI Lull etc.
	\$35,000	SWECO screen
Steel Platform for Existing WWTP Screens	\$30,000	
20 HP floating aerators, 2, installed	\$29,000.00	equipment for inner ring tank
Mobilization, bonds and insurance	\$151,070	based on %of project
Permitting Fees	\$6,000	
Design (significant portions completed)	\$200,000	Thru April 30, 2015 \$173,000

SCADA	\$11,000
Legal Last Stand	\$500,000
Legal other	
Sludge Handling/Processing Unit	
Financing	\$78,750
CEI (mostly in-house)	\$156,000
<b>TOTAL</b>	<b>\$4,153,218</b>

Barrett Quotation \$3500 AQSCN4W \$827 Annual Service  
 \$379,070.97 paid as of May 2015 \$1000 Installation

based on %of project

*Preliminary Design Report*

*For*

KW RESORT UTILITIES CORPORATION  
WASTEWATER TREATMENT PLANT

*Prepared For*

KW Resort Utilities Corporation  
6630 Front Street  
Stock Island, Florida 33040

*Prepared by*

The Weiler Engineering Corporation  
6805 Overseas Hwy  
Marathon, Florida 33050  
(305) 289-4161

**WEC Job No. 12013.001**

April 2014

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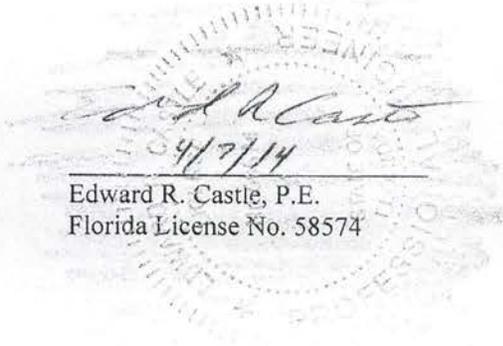
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ATTACHMENT A: Anticipated Flows Report

### Certification Statement

I certify that the information contained in this report is, to the best of my knowledge, true and correct; that the report was prepared in accordance with sound engineering principles and I have discussed the recommendations made in this report with the permittee's delegated representative.



Edward R. Castle, P.E.  
Florida License No. 58574

The Weiler Engineering Corporation  
6805 Overseas Hwy  
Marathon, Florida 33050  
305-289-4161

## PROJECT DESCRIPTION

The project will include the installation of a new 0.350 MGD treatment train to increase capacity of existing treatment plant from 0.499 MGD to 0.849 MGD. The existing 0.499 MGD plant consists of two treatment trains, one 0.249 MGD train and one 0.250 MGD train. The new 0.350 MGD treatment train will include of a 90' diameter tank that will consist of influent screening, a 105,554 gallon influent equalization chamber, 163,300 gallon aeration chamber, 154,725 gallon post-anoxic chamber, 32,525 gallon re-aeration zone, 112,602 gallon clarifier, and a 317,950 gallon digester. The tank will be attached to concrete slab at existing grade with an elevated platform that will house the plant headworks and variable frequency drive blowers. Effluent from the new plant will pass through proposed expanded sand filters and the existing chlorine contact chambers shared by existing treatment trains. The plan also includes the addition of a dual influent screen on the existing plant as well as two new injection wells.

The existing treatment facility will continue with normal operation during construction of the new treatment train, so service will be provided without any interruptions during construction.

## POPULATION

The facility provides wastewater treatment services for 1416 existing residential connections and 216 existing commercial connections consisting of a convalescent center, a college, restaurants, recreational vehicle parks, an animal clinic, a detention center, and a hospital. There are no industrial wastewater contributors to the facility.

## SERVICE AREA

The service area is comprised of residential developments, marinas, office facilities and commercial businesses. Population is expected to increase as redevelopment of under-utilized properties takes place.

## FLOW FORECAST

Wastewater Characteristics: The influent wastewater CBOD<sub>5</sub>, TSS, TN and TP are presented below.

CBOD	250 mg/L	TN	40 mg/L
TSS	250 mg/L	TP	8 mg/L

### Flow Patterns:

The facility is currently permitted at 0.499 MGD, based on the annual average daily flow. Flows are approaching the permitted capacity. During high use periods, such as tourist season, the maximum daily flows can reach or exceed 0.499 MGD.

Annual Average Daily Flow	416,000 gpd
Maximum Daily Flow	717,000 gpd

Contributions: All wastewater is currently being generated on Stock Island. Additional information can be found in Attachment A, Anticipated Flows Report.

### Map of Service Area

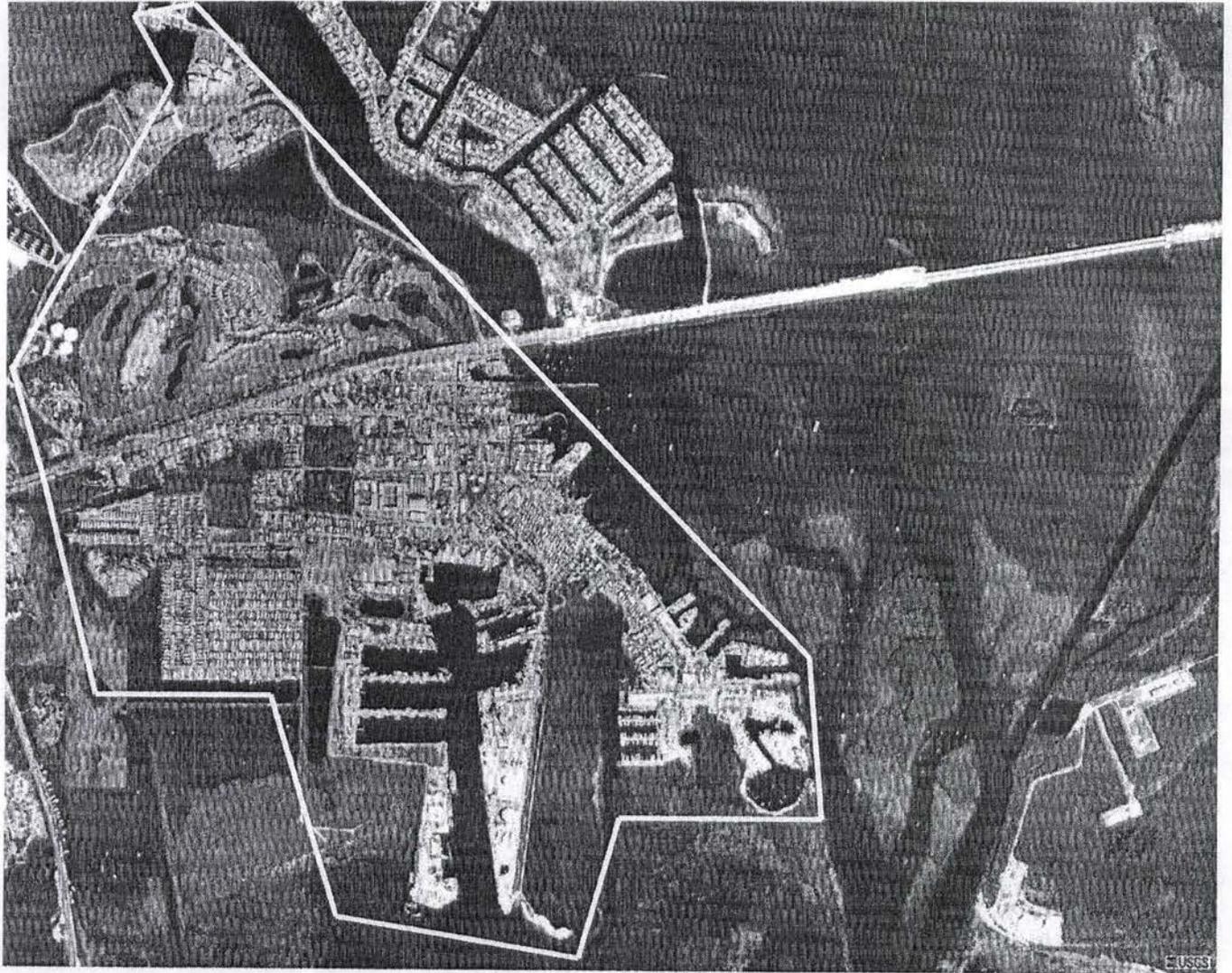
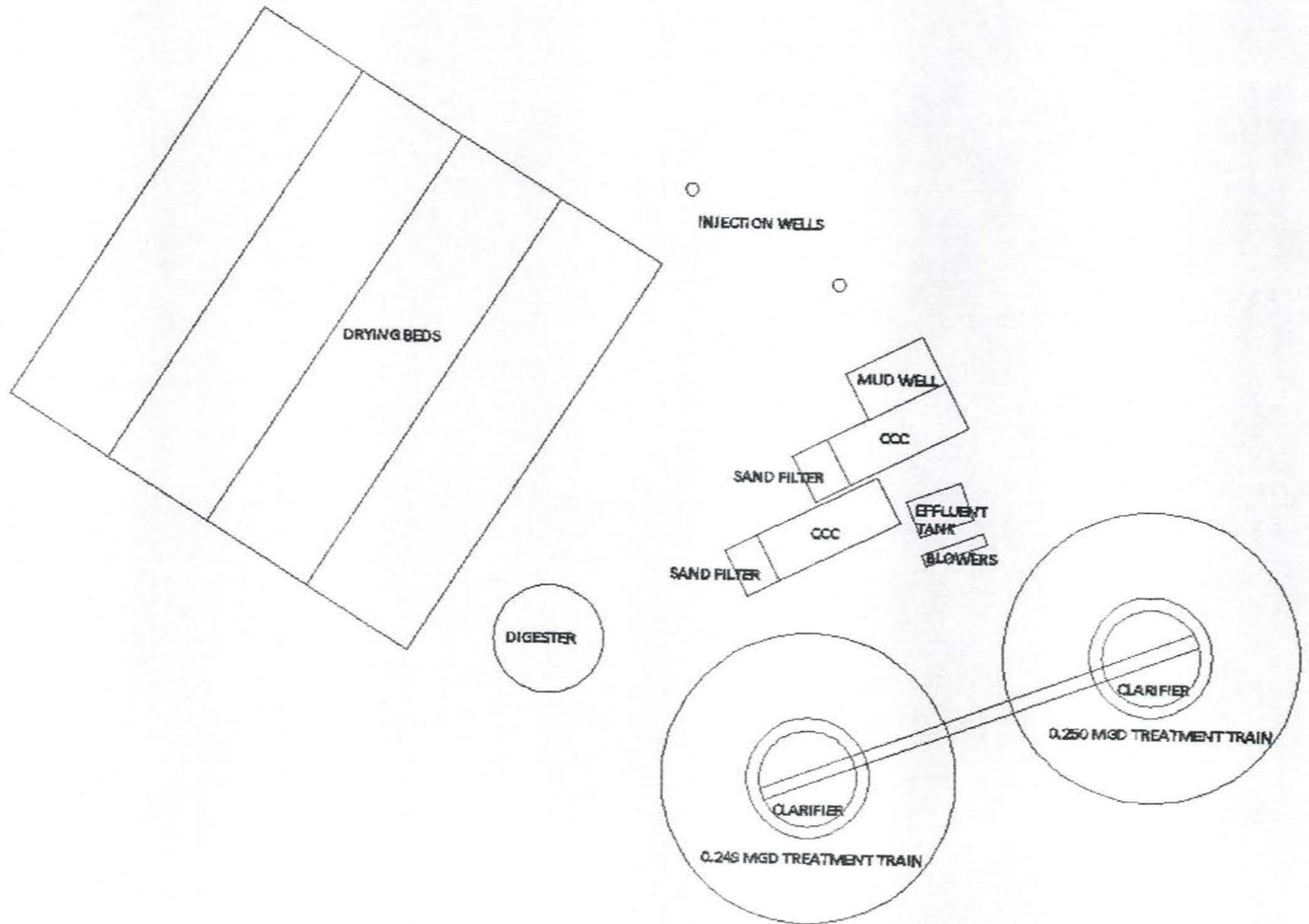


Figure 1: Existing Facility Site Plan



## ENVIRONMENTAL ASSESSMENT

On two sides, the property is located between a construction and demolition debris transfer station and a commercial fishing boat dock, on the third by a marina. The fourth side of the property is the open water of the boat basin. The entire property is enclosed by a fence. No additional impacts to the adjacent properties will result. All treatment processes will be protected from the 25-year flood event and all electrical equipment will be located above the 100-year flood elevation.

## DISPOSAL AND REUSE

The facility disposes of effluent to reuse ponds at the Key West Golf Club, and at the Monroe County Detention Center, the Florida Keys Community College and the Lower Keys Medical Center or two Class V injection wells. The effluent that is sent to the reuse facilities meets the standards contained in Part III of Chapter 62-610, FAC. The modified facility will continue to produce effluent that meets the Part III standards. As is the current practice, during times the effluent does not meet these standards, all flow will be sent to the injection well system. The injection wells are permitted under the authority of DEP permit numbers 184940-018-UO and 184940-019-UO. The wells are in compliance with the FDEP requirements. The wells are 10" in diameter and have an open hole drilled to at least 110', and cased to 60'. Two additional wells of the same dimensions are proposed as part of the expansion.

The modification will result in the facility producing effluent that is in compliance with the following Advanced Wastewater Treatment Facility Effluent Standards contained in Chapter 99-395, Laws of Florida:

Parameter	Limit	Basis
CBOD <sub>5</sub> /TSS	5 mg/L	annual average
Total Nitrogen	3 mg/L	annual average
Total Phosphorus	1 mg/L	annual average

## TECHNICAL INFORMATION/DESIGN CRITERIA

Design Loading Rates

CBOD <sub>5</sub>	250 mg/L		
TSS	250 mg/L	Q <sub>AADF</sub>	849,000 gpd
TN	40 mg/L	Q <sub>MDF</sub> *	976,350 gpd
TP	8 mg/L	Q <sub>PHF</sub> **	1,273,500 gpd

	Flow (gpd)	CBOD (lb/day)	TSS (lb/day)	TN (lb/day)	TP
(lb/day) Q <sub>AADF</sub>	849,000	1,771	1,771	284	57
Q <sub>MDF</sub>	976,350	2,036	2,036	326	66
Q <sub>PHF</sub>	1,273,500	2,656	2,656	425	85

\* Q<sub>MDF</sub> is the design maximum day flow.

\*\* Q<sub>PHF</sub> is the design peak hour flow.

## Flow Metering and Sampling Provisions

Facility flows are measured by Greyline Instruments SLT 5.0 Level and Flow Monitoring systems installed upstream of the V-notch weirs located at the end of each chlorine contact chamber. Each system is attached to a chart recorder. The chart paper is replaced as needed. The system is calibrated by comparison with a certified Doppler flow meter at least annually as required by FAC Rules 62-601.200(17) and 62-601.500(6).

Flow-proportioned influent composite samples are collected prior to the surge tanks from a sample tap on the influent line to the facility. All influent samples are collected so they do not contain digester supernatant, filter backwash or return activated sludge or any other plant process recycled waters in accordance with FAC Rule 62-601.500(4). Effluent total suspended solids grab samples are taken after filtration and prior to disinfection. All other effluent samples are collected after disinfection and prior to discharge. Grab samples are collected during periods of minimal treatment plant removal efficiencies or maximum hydraulic/organic loading. Flow proportioned effluent composite samples are collected for compliance monitoring, in addition to the grab samples collected for High Level Disinfection monitoring.

## TANK SIZES AND DETENTION TIMES

### PROPOSED 0.849 MGD FACILITY

Unit Process	Number and Capacity	Detention Time based on design capacity of 849,000 gpd AADF
Flow Equalization	Two existing at 75,000 gal each, One proposed at 104,550 gal: Total Flow Equalization Volume: 254,550 gal	7.2 hrs
Aeration basins	Two existing at 116,250 gal each, One proposed at 163,300 gal: Total Aeration Volume: 395,800 gal	11.2 hrs.
Anoxic basins	Two existing at 109,910 gal each, One proposed at 154,725 gal: Total Anoxic Volume: 374,545 gal	9.0 hrs.
Re-aeration basins	Two existing at 23,840 gal each, One proposed at 32,525 gal: Total Re-aeration Volume: 80,205 gal	2.3 hrs.
Clarifiers	Two existing at 53,011 gal each, One proposed at 112,602 gal: Total Clarifier Volume: 218,624 gal	6.2 hrs.
Digesters	Two existing at 37,598 gal each, One existing at 53,011 gal, One proposed at 317,950 gal: Total Digester Volume: 446,157 gal	N/A
Filter	Two existing at 96 ft <sup>3</sup> each and Two proposed at 96 ft <sup>3</sup> each: Total filter Volume: 384 ft <sup>3</sup>	N/A
Chlorine Contact	Four existing at 5,745 gal each	26 mins.

## PROCESS

From the collection system, wastewater will flow through proposed self-cleaning static bar screens, one before each of the three surge tanks. From the surge tanks, raw influent is directed to the aeration basins. At this point, a sodium hydroxide feed system is provided as a source of alkalinity. The amount of alkalinity fed to the system will be dependent on facility operation once the system operation is stable. The combined surge tank volume of 254,550 gallons will provide adequate flow equalization for current and future flows to the facility.

The wastewater will flow through the aeration basins where BOD removal and nitrification take place. After the aeration basins, the nitrified wastewater will be injected with a carbon source as it enters the anoxic zone for the denitrification process. In the anoxic basins, a complete mix will ensure full denitrification and drive off excess nitrogen gas. Next, the wastewater enters the re-aeration tank where any excess feed of carbon will be biologically removed. The effluent from the re-aeration tanks will be injected with aluminum sulfate (alum) to begin the process of phosphorous removal. After re-aeration, the wastewater enters the clarifiers for the sedimentation process.

An additional alum injection site is proposed in the clarifier discharge header prior to the filters to allow for dosing of alum at this alternative location. This alum injection point will be automatically activated during periods of production of reclaimed water when phosphorus removal is not required should the effluent be diverted to the wells. The alum feed pumps will automatically start whenever the reclaimed water criteria for high level disinfection is not met, ensuring that the effluent phosphorus discharge limits are met any time effluent is discharged to the disposal wells.

Return activated sludge and scum from the clarifier will be returned to the influent end of the aeration basins. Incorporated in the return piping will be a waste activated sludge valve to divert wasted sludge to the aerobic digesters.

The total digester volume of 446,157 gallons will provide adequate digester space in conjunction with the existing drying beds and proposed mobile centrifuge to achieve compliance with the standards for residuals treatment and disposal as required by the FAC. Residuals generated by the facility are aerobically digested, followed by dewatering either on drying beds or by the proposed mobile centrifuge. The residuals are aerobically digested and will be disposed of in a Class I or II solid waste landfill.

Effluent from the clarifiers is directed to sand filters, then to the chlorine contact chambers where the required contact time is met prior to disposal to the reuse system or injection well system. The treatment plant currently uses gas chlorine for disinfection. The use of liquid sodium hypochlorite for disinfection will be implemented as part of the WWTP modification due to safety concerns with gas chlorine.

Treated wastewater (effluent) is pumped to storage ponds on the Key West Golf Course for slow rate land application, to the Monroe County Detention Center for toilet flushing and cooling water and to the hospital and college on College Road for irrigation and cooling water. As an alternate disposal method, Class V underground injection wells are provided at the wastewater treatment plant site. There are two existing 10" Class V wells and two proposed 10" Class V wells.

#### **SCADA**

A Supervisory Control and Data Acquisition (SCADA) system is proposed as part of the facility expansion. The facility currently has continuous monitoring of Total Residual Chlorine and Turbidity as part of the reclaimed water system. There are also high level monitoring probes at various points on the process tanks. The upgrade intends to add to these monitoring systems and tie all inputs into a Web based communications system that will allow remote monitoring and limited control of the process. Automated control of process variables including dissolved oxygen levels, chemical feeds are proposed as well. It is requested that a variance to the minimum staffing requirement be included in the permit modification, reducing the staffing to 6 hours per day, 7 days per week upon completion of the SCADA system. A summary list of the existing and proposed SCADA inputs is presented below.

#### **Chlorine Residual**

CL17 output to circular chart recorder (existing)  
CL17 output to reclaimed water pump shut-down (existing)  
CL17 output to SCADA software (new)  
CL17 Hi and Low Alarm to PC (new)  
Flow meter output to bleach feed pumps (new)

#### **Turbidity**

NTU output to chart recorder (existing)  
NTU output to reclaimed water pump shut-down (existing)  
NTU output to SCADA software (new)  
NTU Hi Alarm output to SCADA software (new, or program in PC)

#### **Dissolved Oxygen/ORP**

LDO probe output to blower controller, each aeration train (new)  
LDO probe output to SCADA software, each aeration train (new)  
ORP probe output to glycerin feed pump, each anoxic train (new)  
ORP probe output to SCADA software, each anoxic train (new)

**Tank Levels**

Surge Tank Hi Level Alarm output to SCADA software, each train (new)  
Aeration Tank Hi Level Alarm output to SCADA software, each train (Existing output to Chatterbox)  
CCC Hi Level/Hi Flow Alarm output to SCADA software, each train (new)  
Mud Well Hi Level Alarm output to SCADA software (Existing output to Chatterbox)  
Filter Cells Hi Level Alarm output to SCADA software (new)  
Influent Screening Hi Level Alarm output to SCADA software (new)

**Vacuum Pump Station**

All standard outputs and alarms to SCADA software (Existing output to Chatterbox)

**Blower Proportional Controller**

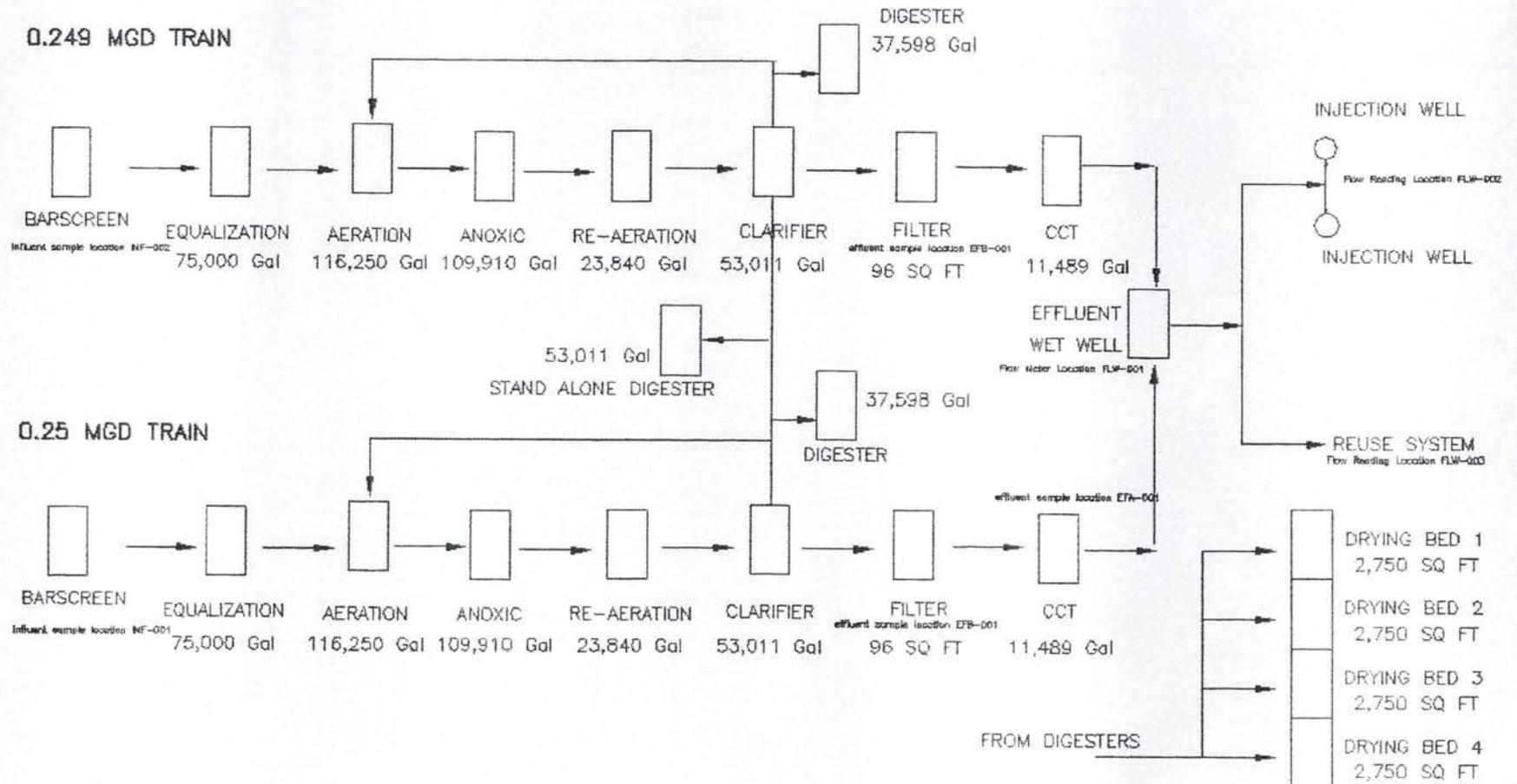
Input from LDO probes (new)  
Programmable Hi and Low set-points, at Controller (new)  
Programmable Hi and Low set-points and adjustable gain from SCADA software (new)  
Hi and Low DO Alarm from Controller to SCADA software (new)  
HOA and Alarm Acknowledge capabilities from SCADA software (new)

**Liquid Chlorine Controller**

Input from Flow Meters (new)  
Programmable Hi and Low set-points, at controller (new)  
Programmable Hi and Low set-points and adjustable gain, from SCADA software  
Pump Feed Failure Alarm to SCADA software (new)  
Hi and Low CL2 Alarm to SCADA software (new)  
HOA control and Alarm Acknowledge capabilities from SCADA software (new)



Figure 3: Existing Process Flow Schematic



EXISTING PROCESS FLOW SCHEMATIC

K W RESORT UTILITIES CORPORATION  
 0.849 MGD AWT EXTENDED AERATION PROCESS WWTP  
 UNIT PROCESS CALCULATIONS

**I. PLANT FLOWS (HYDRAULIC LOADINGS)**

Permitted Capacity	499,000 gpd	{0.499 MGD}
$Q_{AADF}$	849,000 gpd	{design capacity, based on annual average daily flow}
$Q_{MDF}$	976,350 gpd	
$Q_{PHF}$	1,273,500 gpd	

**II. ORGANIC LOADING**

CBOD <sub>5</sub>	250 mg/L
TN	40 mg/L
TP	8 mg/L

$$CBOD_{AADF} \quad (8.34\text{lb/gal})(250\text{ mg/L})(0.849\text{ MGD}) = 1,771\text{ lb/day}$$

$$CBOD_{MDF} \quad (8.34\text{lb/gal})(250\text{ mg/L})(0.97635\text{ MGD}) = 2,036\text{ lb/day}$$

$$CBOD_{PHF} \quad (8.34\text{lb/gal})(250\text{ mg/L})(1.2735\text{ MGD}) = 2,656\text{ lb/day}$$

$$TN_{AADF} \quad (8.34\text{lb/gal})(40\text{ mg/L})(0.849\text{ MGD}) = 284\text{ lb/day}$$

$$TN_{MDF} \quad (8.34\text{lb/gal})(40\text{ mg/L})(0.97635\text{ MGD}) = 326\text{ lb/day}$$

$$TN_{PHF} \quad (8.34\text{lb/gal})(40\text{ mg/L})(1.2735\text{ MGD}) = 425\text{ lb/day}$$

$$TP_{AADF} \quad (8.34\text{lb/gal})(8\text{ mg/L})(0.849\text{ MGD}) = 57\text{ lb/day}$$

$$TP_{MDF} \quad (8.34\text{lb/gal})(8\text{ mg/L})(0.97635\text{ MGD}) = 66\text{ lb/day}$$

$$TP_{PHF} \quad (8.34\text{lb/gal})(8\text{ mg/L})(1.2735\text{ MGD}) = 85\text{ lb/day}$$

**III. SOLIDS LOADING**

TSS 250 mg/L

$$TSS_{AADF} \quad (8.34\text{lb/gal})(250\text{ mg/L})(0.849\text{ MGD}) = 1,771\text{ lb/day}$$

$$TSS_{MDF} \quad (8.34\text{lb/gal})(250\text{ mg/L})(0.97635\text{ MGD}) = 2,036\text{ lb/day}$$

$$TSS_{PHF} \quad (8.34\text{lb/gal})(250\text{ mg/L})(1.2735\text{ MGD}) = 2,656\text{ lb/day}$$

#### IV. UNIT PROCESSES

$Q_{AADF}$	849,000 gpd = 35,375 gallons per hour = 590gpm
$Q_{MDF}$	976,350 gpd = 40,682 gallons per hour = 678gpm
$Q_{PHF}$	1,273,500 gpd = 53,063 gallons per hour = 885gpm

##### A. AERATION BASIN DETENTION TIME = $\frac{V}{Q}$

Volume

Two existing tanks at 116,250 gal each, One proposed tank at 163,300 gal; Total = 395,800 gal

$$\theta_{AADF} = 395,800 \text{ gallons} / 35,375 \text{ gph} = 11.2 \text{ hrs}$$

$$\theta_{MDF} = 395,800 \text{ gallons} / 40,682 \text{ gph} = 9.8 \text{ hrs}$$

$$\theta_{PHF} = 395,800 \text{ gallons} / 53,063 \text{ gph} = 7.5 \text{ hrs}$$

- Volumetric Loading

$$\frac{(1,771 \text{ lb/d CBOD}_5)(7.48 \text{ gal/ft}^3)(1000)}{395,800 \text{ gallons}} = 33.5 \text{ kg/m}^3 \cdot \text{day}$$

##### B. ANOXIC BASIN

Flow 849,000 gpd, annual average daily flow

Nitrogen Loading: 40 mg/l influent TN

Effluent Limit: 3 mg/L

[MLVSS] 2,625 mg/L

$U_{DN}$  0.05 lb  $\text{NO}_3\text{-N}$ /lb VSS · day {Metcalf & Eddy}

$$\begin{aligned} \text{Required Volume} &= \frac{(\Delta \text{TN})(1000000)}{(U_{DN})(\text{MLVSS})(8.34)} \\ &= 37000000 / 0.05 * 2625 * 8.34 = 37000000 / 1094.6 \\ &= 33,802 \text{ gallons will provide 1 hour detention time} \end{aligned}$$

To ensure adequate detention time, three anoxic basins, two existing with 109,910 gallons and one proposed with 154,725 gal shall be provided. The extra volume will result in an increase in the hydraulic detention time and the amount of endogenous carbon available for denitrification.

Detention Times:

$$\theta_{AADF} = 374,545 \text{ gallons} / 35,375 \text{ gph} = 10.6 \text{ hrs.}$$

$$\theta_{MDF} = 374,545 \text{ gallons} / 40,682 \text{ gph} = 9.2 \text{ hrs.}$$

$$\theta_{PHF} = 374,545 \text{ gallons} / 53,063 \text{ gph} = 7.1 \text{ hrs.}$$

##### C. REAERATION BASIN

Flow 849,000gpd AADF

Size Two existing at 23,840 gal each, One proposed at 32,525 gal; Total = 80,205 gal

Detention times

$$\theta_{AADF} = 80,205 \text{ gallons} / 35,375 \text{ gph} = 2.3 \text{ hrs.}$$

$$\theta_{MDF} = 80,205 \text{ gallons} / 40,682 \text{ gph} = 2.0 \text{ hrs.}$$

$$\theta_{PHF} = 80,205 \text{ gallons}/53,063 \text{ gph} = 1.5 \text{ hrs.}$$

#### D. RETURN ACTIVATED SLUDGE (RAS)

Required: 0.5 to 1.5 times the maximum flow

$$Q_{PHF} = 1,273,500 \text{ gpd} = 885 \text{ gpm}$$

$$0.5 \times 885 \text{ gpm} = 442.5 \text{ gpm}$$

$$1.5 \times 885 \text{ gpm} = 1,327.5 \text{ gpm}$$

#### E. CLARIFIERS (calculations based on three clarifiers)

Volume of clarifiers: Two existing at 53,011 gal each, One proposed at 112,602 gal;  
Total = 218,624 gal

1. Detention Time:

$$\theta_{AADF} = 218,624 \text{ gallons}/35,375 \text{ gph} = 6.2 \text{ hrs.}$$

$$\theta_{MDF} = 218,624 \text{ gallons}/40,682 \text{ gph} = 5.4 \text{ hrs.}$$

$$\theta_{PHF} = 218,624 \text{ gallons}/53,063 \text{ gph} = 4.2 \text{ hrs.}$$

2. Hydraulic loading (at PHF)

$$\text{Total Clarifier surface area} = (\pi \times 13^2)(2) + (\pi \times 16.75^2) = 1,943.3 \text{ ft}^2$$

$$SL_{HYD} = 1,273,500 \text{ gpd}/1,943.3 \text{ ft}^2$$

$$= 655 \text{ gpd}/\text{ft}^2$$

$$655 < 1000 \text{ gpd}/\text{ft}^2 \text{ (per "Ten State Standards")}$$

3. Weir Loading (at PHF)

$$\text{Weir length} = (2 \times \pi \times 13')(2) + (2 \times \pi \times 16.75') = 268.6 \text{ ft}$$

$$\text{Weir Overflow Rate: } 1,273,500 \text{ gpd}/268.6 \text{ ft} = 3,160.8 \text{ gpd}/\text{ft}$$

$$4,741 < 10,000 \text{ gpd}/\text{ft} \text{ (per "Ten State Standards")}$$

4. Solids Removal\*

$$TSS_{INF} = 250 \text{ mg}/\text{L}$$

Facility treatment efficiency is 92%-95%.

after 95% removal = 12.5 mg/L

after 92% removal = 20 mg/L

\*5 mg/L is required for AWT treatment, filtration is provided as required

#### F. FILTERS

$$\text{Filter area} = 384 \text{ ft}^2, 96 \text{ ft}^2 \text{ each}$$

$$Q_{PHF} = 1,273,500 \text{ gpd} = 885 \text{ gpm}$$

$$\text{All 4 Filters: } 885 \text{ gpm}/384 \text{ ft}^2 = 2.3 \text{ gpm}/\text{ft}^2$$

$$3 \text{ Filters: } 885 \text{ gpm}/288 \text{ ft}^2 = 3.1 \text{ gpm}/\text{ft}^2$$

Maximum Filtration Rate = 5 gpm/ft<sup>2</sup> min (from Metcalf & Eddy chart on p. 676)

### G. DISINFECTION (calculations based on four chlorine contact chambers in two basins)

The Chlorine Contact Chamber is required to provide a minimum contact period of 15 minutes at design peak hourly flow or the maximum pumping rate. The facility has flow equalization, which will result in using a peaking factor of 1.5 instead of 4.

Detention time =  $V/Q$

Volume = 11,489 gal per basin, 5,745 gal per chamber, 22,978 gal total

Flow =  $Q_{PHF}$  = 1,273,500 gpd or 885 gpm or 53,063 gph

$\Theta$  =  $V/Q$   $\Theta$  = 0.25 hr,

$V_{REQUIRED}$  = (0.25 hr)(53,063 gph) = 13,266 gal

22,978 gal > 13,266 gal therefore size is Adequate

@ 75% Operation (1 of 4 chambers off line) = 17,234 gal > 13,266 gal

22,978 gal/53,063 gph = 26 min. detention time with all 4 in service.

17,234 gal/53,063 gph = 19.5 min. detention time with 3 of 4 in service.

### H. SODIUM HYPOCHLORITE SYSTEM

1 pound per day (ppd) chlorine gas = 1 gpd of 12.5% Trade NaOCl

Min. Total Residual Chlorine (TRC) = 1.0 mg/L

Avg. chlorine ppd in recent years (based on 0.343 MGD Flow) = 38.8 ppd

$Cl_2$  Dosage = (38.8 ppd)/((8.34 lb/day)(.343 MGD)) = 14 mg/L

$Cl_2$  Dosage rate, in ppd for design flow = (.849MGD)(8.34lb/gal)(14mg/L) = 99.2 ppd

Gallons of 12.5% NaOCl needed per day = (99.2 ppd  $Cl_2$ )(1 gpd 12.5% NaOCl/ 1 ppd  $Cl_2$ )  
= 99.2 gal/day

With 1.5 safety factor = (99.2 gal/day)(1.5) = **148.8 gal/day**

Min. Tank size needed: (148.8 gal/day)(15\*\* days) = 2,500 gal

Tank will be opaque for UV protection and rated for exterior use

\* Dosage rate based on average feed rate of chlorine gas needed to satisfy chlorine demand and maintain desired TRC.

\*\* Due to short shelf life of the sodium hypochlorite solution, a tank that allows for only 15 days of storage will be used instead of 30 days to prevent degradation of the sodium hypochlorite solution.

**I. PHOSPHORUS REMOVAL**

ALUM	$\text{Al}_2(\text{SO}_4)_3 + 18\text{H}_2\text{O}$
ALUM STRENGTH	48.5 %
DENSITY OF ALUM SOL'N	11.2 lb/gal
MOLECULAR WT. OF ALUM	594.0
MOLECULAR WT. OF ALUMINUM	26.98
MOLECULAR WEIGHT OF P	30.97

**STEP 1 WEIGHT OF ALUMINUM REQUIRED PER UNIT OF PHOSPHORUS**

- A. THEORETICAL DOSAGE 1 MOLE AL PER 1 MOLE P  
 ALUMINUM REQUIRED = (MW AL/MW P)  
 = (26.98/30.97)  
 = **0.87 lb AL/lb P**

**STEP 2 WEIGHT OF ALUMINUM AVAILABLE PER GALLON OF ALUM**

- A. Weight of alum per gallon of solution  
 = 0.485 X 11.2 lb/gal = **5.43 lb/gal**
- B. Weight of Aluminum per gallon  
 = 5.43 lb/gal \* (2 \* 26.98/594.0) = **0.493 lb/gal**

- STEP 3 POUNDS OF P IN INFLUENT**  
 = mg/L P \* FLOW, MGD \* 8.34  
 = 8 \* 0.849 \* 8.34  
 = **56.6 lbs influent phosphorus**

**STEP 4 AMOUNT OF ALUM SOLUTION REQUIRED PER LB OF PHOSPHORUS**

$$\begin{aligned} \text{Alum Dosage} &= (0.87 \text{ lb AL/lb P}) * (1 \text{ GAL ALUM SOL}/0.493 \text{ lb AL}) \\ &= 1.76 \text{ GAL ALUM SOLUTION/lb P} \\ &= 1.76 * 28.3 \text{ lb} \\ &= \mathbf{49.8 \text{ gallons of alum solution required for 0.849 MGD facility capacity}} \end{aligned}$$

Since significant biological uptake of phosphorus occurs in the activated sludge process, the clarifier influent will have significantly less than the 8 mg/l used in the dosing calculations, providing a safety factor in the designed dosing rate.

Min. tank size needed: (49.8 gal/day) (30 days) = 1,494 gal tank

Tank will be opaque for UV protection and rated for exterior use

**J. GLYCERIN**

Solution used will be 70% Glycerin as provided by manufacturer

Glycerin BOD: 870,000 mg/L

7 lb BOD = 1 gal Glycerin

Dissolved Oxygen (D.O.) going into anoxic zone = 2 mg/L

Influent NH<sub>4</sub> = 40 mg/L

NH<sub>4</sub> to NO<sub>3</sub> = (62/17)(40 mg/l) = 146 mg/L NO<sub>3</sub>

Oxygen present = (((16\*3)/(62))(146 mg/L)+2)(8.34 lb/gal)(0.849MGD) = 814 lbs/day

Glycerin solution needed per day: (814 lb D.O.)/(7 lb/gal glycerin) = **116.3 gal/day\***

Min. tank size needed: (116.3 gal/day)\*(15 days) = 1744.50 gal

\* There is no safety factor being used for glycerin need because the tanks have been oversized to allow for endogenous decay which provides an additional carbon source.

**K. ALKALINITY DOSING**

Strength	50%
Density of Solution	12.76 lb/gallon
Molecular Weight NaOH	39.997
Molecular Weight Na	22.98
Molecular Weight OH	17.00

Weight of NaOH = 0.5x12.76 lb/gal  
= 6.38 lbs lb/gal

OH per gallon 6.38 x (17.00/39.997)  
= 2.71 lbs

Pounds of NH<sub>4</sub> per day (40 mg/L)(8.34 lb/gal)(0.849MGD)  
= 283 lbs

Pounds of CaCO<sub>3</sub> needed per day (283lbs)(7.07 lbs CaCO<sub>3</sub>/ lb NH<sub>4</sub>)  
= 2,001 lbs

Pounds of H<sub>2</sub>O per day (120 mg/L)(8.34 lb/gal)(0.849 MGD)  
= 850 lbs

Pounds of CaCO<sub>3</sub> added per day = 2001-850 = 1,151 lbs

Milliequivalent weights of CaCO<sub>3</sub>: 50 mg/meq  
NaOH: 40 mg/meq

Pounds of NaOH per day = (40/50)(1,151 lbs) = **921 lbs**

During nitrification/denitrification in aeration basins there is release of some alkalinity so no safety factor will be used

**Min.** tank size needed:  $((921 \text{ lbs} * 2) / (12.76 \text{ lb/gal})) * 30 \text{ days} = 4,331 \text{ gal}$

Tank will be opaque for UV protection and rated for exterior use

The theoretical dose is 1 mole NaOH per 1 mg/L alkalinity. The above calculations are based on assumptions regarding the alkalinity concentration needed and may change accordingly. All chemical feed pumps will be sized to accommodate any variables encountered.

ATTACHMENT A  
ANTICIPATED FLOWS REPORT

Anticipated Flows

KW Resort Utilities Corporation  
Wastewater Treatment Facility

Monroe County

DEP Permit FLA014951

Permit Expiration Date: 19 February 2017

*Report Prepared by:*

*Weiler Engineering  
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305.289.4161*

## INTRODUCTION

This Anticipated Flows Report is provided with the Preliminary Design Report to be submitted with an application for modification of the existing plant at Key West Resort Utilities (DEP Permit No. FLA014951). This report will provide information regarding the facility's operation and recent flows, and the need for expansion of the plant.

## GENERAL INFORMATION

The KWRU facility is currently a 0.499 MGD AADF permitted wastewater treatment plant (WWTP) located on Stock Island in Monroe County, Florida.

Presently, the wastewater treatment facility consists of two post-anoxic biological nutrient removal treatment trains, installed separately but piped together to allow the facility to operate as a single plant. The trains, with design flows of 0.249 MGD and 0.250 MGD, respectively, are equipped with sand filters and chlorine contact chambers.

Treated wastewater is pumped to the Key West Golf Club reuse storage ponds for slow rate land application and to the Monroe County Detention Center for toilet flushing and cooling water, as well as the Lower Keys Medical Center, and Florida Keys Community College for irrigation and cooling water. Backup effluent disposal is provided by two (2) ten-inch Class V Group III underground injection wells.

## FUTURE FLOW POPULATION PROJECTION

The KWRU WWTP currently treats wastewater flows from 2932 wastewater accounts consisting of residences, restaurants, an animal clinic, a laundromat, a convalescence facility, a detention center, a hospital, and a college. The AADF at KWRU has been increasing in recent past, most likely a result of the upturn in the economy. The AADF for 2012 was 0.382 MGD. This increased to 0.416 in 2013. In the first quarter of 2014 which coincides with peak tourist season, the average daily flows have been approximately .450 MGD.

In 2014 and 2015, at least four re-developments are expected to begin operating. Based on the plans and wastewater services agreements available to date, these projects will increase flows as described below:

**Stock Island Marina Village** - Consisting of re-development of the working waterfront on the western side of Safe Harbor on Stock Island, the project includes the addition of wet slip dockage for boats, a large fish house, commercial office space and a hotel. The project is expected to generate approximately 30,250 GPD of wastewater.

**Oceanside Marina** - The existing marina is being redeveloped to add 78 residential units, 4 transient rental units, a restaurant, a bath house with laundry facilities, 3 swimming pools, a recreational facility and employee housing. The project is expected to generate an additional 26,125 GPD of wastewater in addition to that already being generated.

**Sunset Marina** - This project is in the planning phase and is expected to add approximately 60 residential units to the existing site, increasing wastewater flows by 15,000 GPD.

**Bernstein Development** - This project is in the planning phase and is expected to be similar in size and amenities to the Stock Island Marina Village project. It is expected to generate approximately 30,000 GPD of wastewater.

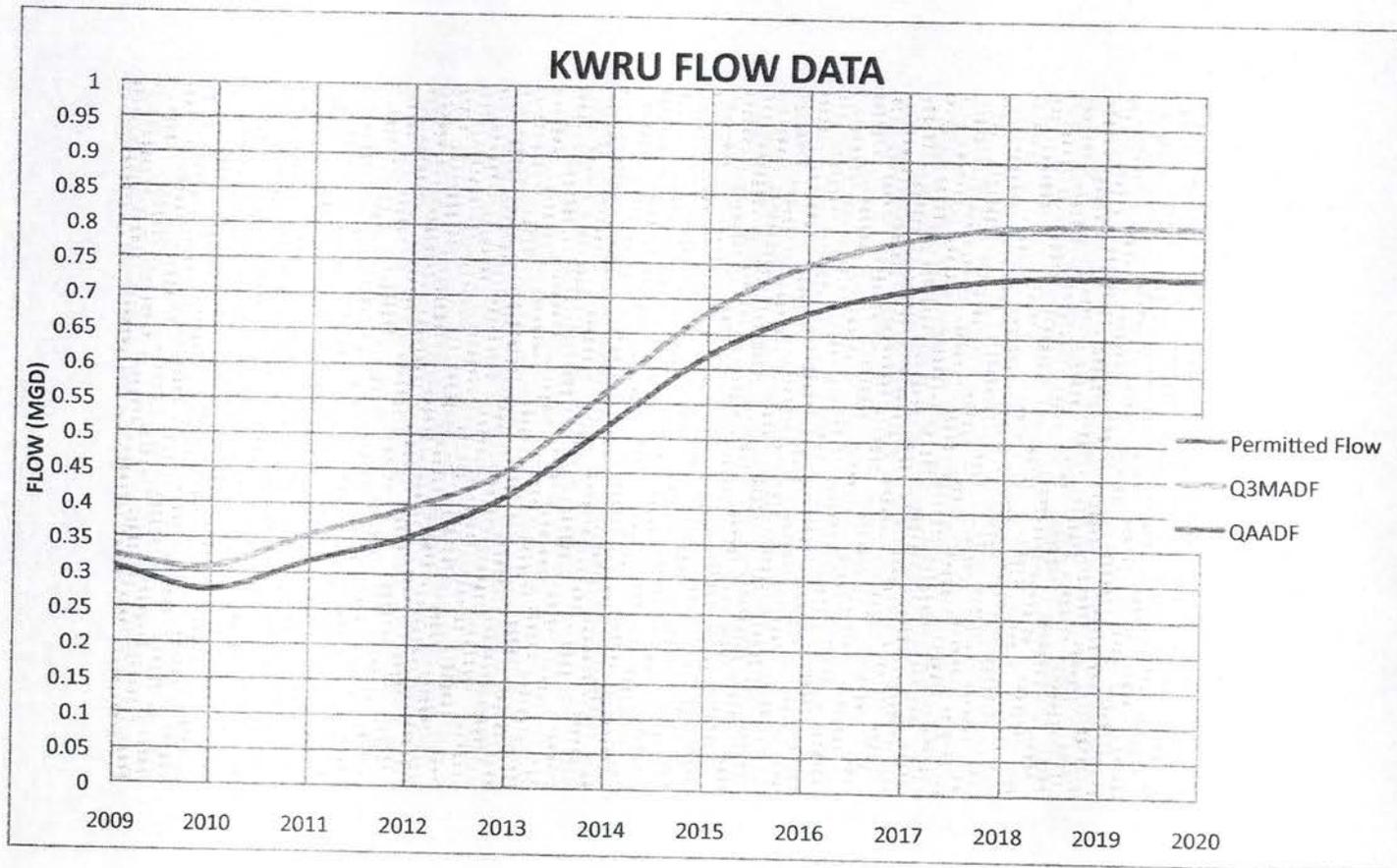
A review of the Monroe County Property Appraiser's GIS maps and associated data, it appears that there is approximately 40 acres of additional scarified or underutilized properties in the KWRU service area that are sites for potential redevelopment. Some large waterfront parcels exist and appear to have been recently purchased as investment properties. These parcels in particular have a high potential for redevelopment.

Although there are restrictions in place limiting new building rights, transferable development rights can be purchased from other properties with high densities in less desirable locations, such as older, land-locked mobile home parks. These development rights can then be used to allow units to be constructed in the more desirable waterfront properties in closer proximity to Key West. For these reasons, and based on the redevelopment history in the keys, it is apparent that the potential for further increases in flow exist in the KWRU service area.

The graph below shows the flow trends at KWRU from

## PROJECTED FLOWS

This chart shows the average flows to the facility over the past four years and the expected flow through 2020.



## SUMMARY AND CONCLUSIONS

The annual average daily flow to the KWRU WWTP may reach 0.74 MGD AADF or 148% of existing plant capacity following development of the known underutilized or undeveloped properties in the Stock Island service area. This may represent "build-out" flows, although some redevelopment of other existing occupied properties with higher use facilities is possible. With the expansion of the WWTP capacity to 0.849 MGD, the anticipated flows will represent 87% of the proposed permitted capacity, allowing for an additional 100,000 GPD of capacity for such redevelopments,.